

Name OJ990713_01.0317.C7.o1.ts
 Start 553
 GI none
 Exons 553..735, 801..1163

Method TBLASTX:Soybean
 End 1163
 Score 206

Seq. No. 39187
 Gene No. 80807
 Start 666
 Name OJ990713_01.0317.C7.o1.tw
 Start 574
 GI none
 Exons 574..723, 575..706, 598..723,

Seq. ID OJ990713_01.0317.C7
 Strand -
 End 1520
 Method TBLASTX:Wheat
 End 1061
 Score 114
 729..1061, 733..1056

Seq. No. 39187
 Gene No. 80807
 Start 666
 Name OJ990713_01.0317.C7.o1.tm
 Start 586
 GI none
 Exons 586..735, 798..1172

Seq. ID OJ990713_01.0317.C7
 Strand -
 End 1520
 Method TBLASTX:Maize
 End 1172
 Score 213

Seq. No. 39187
 Gene No. 80807
 Start 666
 Name OJ990713_01.0317.C7.o1.gs
 Start 666
 GI none
 Exons 666..799, 1106..1220

Seq. ID OJ990713_01.0317.C7
 Strand -
 End 1520
 Method GENSCAN
 End 1220
 Score .63

Seq. No. 39187
 Gene No. 80807
 Start 666
 Name OJ990713_01.0317.C7.o2.tw
 Start 1134
 GI none
 Exons 1134..1520, 1135..1515, 1164..1517

Seq. ID OJ990713_01.0317.C7
 Strand -
 End 1520
 Method TBLASTX:Wheat
 End 1520
 Score 288

Seq. No. 39188
 Gene No. 80808
 Start 1716
 Name OJ990713_01.0317.C8.o2.gs
 Start 1716
 GI none
 Exons 1716..1835, 2149..2272, 3981..4050, 4413..4572

Seq. ID OJ990713_01.0317.C8
 Strand +
 End 4572
 Method GENSCAN
 End 4572
 Score .88

Seq. No. 39188
 Gene No. 80809
 Start 9432
 Name OJ990713_01.0317.C8.o4.gs
 Start 9432
 GI none
 Exons 9432..10913

Seq. ID OJ990713_01.0317.C8
 Strand +
 End 10913
 Method GENSCAN
 End 10913
 Score .76

Seq. No. 39188
 Gene No. 80810
 Start 16861
 Name OJ990713_01.0317.C8.o2.gp

Seq. ID OJ990713_01.0317.C8
 Strand +
 End 19694
 Method AAT/GAP

Start	16816	End	17282
GI	1631780	Score	616
Exons	16816..17078, 17196..17282		
GI Descrip.	1086900 5.0e-15 (U41278) contains similarity to G beta repeats (PROSITE:PS00670) of the beta-transducin family [Caenorhabditis elegans]		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80810	Strand	+
Start	16861	End	19694
Name	OJ990713_01.0317.C8.o6.gs	Method	GENSCAN
Start	16861	End	19252
GI	none	Score	.93
Exons	16861..17078, 17196..17298, 17845..17952, 18069..18178, 18357..18464, 19231..19252		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80810	Strand	+
Start	16861	End	19694
Name	OJ990713_01.0317.C8.o3.np	Method	AAT/NAP
Start	16876	End	19694
GI	7500412	Score	345
Exons	16876..17122, 17843..17958, 18075..18178, 18357..18464, 19643..19694		
GI Descrip.	hypothetical protein F33G12.2 - Caenorhabditis elegans gi 1086900 gb AAA82480.1 (U41278) contains similarity to G beta repeats (PROSITE:PS00670) of the beta-transducin family [Caenorhabditis elegans]		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80810	Strand	+
Start	16861	End	19694
Name	OJ990713_01.0317.C8.o3.gp	Method	AAT/GAP
Start	18069	End	19694
GI	LIB3433-051-P1-K1-H11	Score	452
Exons	18069..18174, 18357..18464, 19643..19694		
GI Descrip.	'2982268 4.0e-24 (AF051217) probable 40S ribosomal protein S15 [Picea mariana]'		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80811	Strand	-
Start	206	End	1069
Name	OJ990713_01.0317.C8.o1.gp	Method	AAT/GAP
Start	206	End	1069
GI	14109_1.R1084	Score	1141
Exons	206..608, 827..1069		
GI Descrip.	'1086900 5.0e-15 (U41278) contains similarity to G beta repeats (PROSITE:PS00670) of the beta-transducin family [Caenorhabditis elegans]'		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80811	Strand	-
Start	206	End	1069
Name	OJ990713_01.0317.C8.o1.gs	Method	GENSCAN
Start	450	End	985
GI	none	Score	1
Exons	450..608, 827..985		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80812	Strand	-
Start	4174	End	7009
Name	OJ990713_01.0317.C8.o1.np	Method	AAT/NAP
Start	4174	End	6943
GI	5080764	Score	1189
Exons	4174..4566, 5061..5254, 5340..5734, 6654..6943		
GI Descrip.	(AC007203) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80812	Strand	-
Start	4174	End	7009
Name	OJ990713_01.0317.C8.o3.gs	Method	GENSCAN
Start	4962	End	7009
GI	none	Score	.63
Exons	4962..5033, 5061..5254, 5340..5734, 6654..7009		
Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o2.tm	Method	TBLASTX:Maize
Start	4168	End	4566
GI	none	Score	341
Exons	4168..4566, 4169..4564, 4231..4566		
Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o1.ts	Method	TBLASTX:Soybean
Start	4441	End	5760
GI	none	Score	144
Exons	4441..4566, 4442..4567, 4455..4568, 4455..4568, 5020..5217, 5028..5231, 5050..5223, 5051..5236, 5341..5739, 5348..5731, 5350..5760		
Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	5070	End	5686
GI	none	Score	96
Exons	5070..5141, 5071..5136, 5132..5245, 5134..5256, 5136..5255, 5340..5666, 5341..5685, 5342..5686		
Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o4.tc	Method	TBLASTX:Cress
Start	5576	End	5749
GI	none	Score	124
Exons	5576..5749, 5578..5748		
Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o5.tm	Method	TBLASTX:Maize

Start	13579	End	13761
GI	none	Score	247
Exons	13579..13761, 13588..13734, 13599..13760		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o5.gs	Method	GENSCAN
Start	13593	End	16731
GI	none	Score	.53
Exons	13593..16693, 16716..16731		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o2.np	Method	AAT/NAP
Start	13602	End	16619
GI	7493091	Score	1129
Exons	13602..14286, 14397..16017, 16051..16619		
GI Descrip.	probable translocation elongation factor-Tu fa mily - fission yeast (Schizosaccharomyces pombe) gi 3169065 emb CAA19260.1 (AL023704) elongation factor 2-like protein [Schizosaccharomyces pombe]		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o2.ts	Method	TBLASTX:Soybean
Start	13641	End	14078
GI	none	Score	354
Exons	13641..14078, 13642..14076		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o3.tw	Method	TBLASTX:Wheat
Start	13764	End	14084
GI	none	Score	54
Exons	13764..14027, 13785..14084		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o3.tc	Method	TBLASTX:Cress
Start	13765	End	15104
GI	none	Score	95
Exons	13765..14031, 13767..14108, 14127..14243, 14877..15104, 14890..15096		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o3.tm	Method	TBLASTX:Maize
Start	13860	End	14114
GI	none	Score	263
Exons	13860..14114, 13861..14085		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o4.tm	Method	TBLASTX:Maize
Start	14877	End	16559
GI	none	Score	70
Exons	14877..15095, 14883..15011, 14884..15084, 15810..15965, 16059..16403, 16488..16559		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o2.tw	Method	TBLASTX:Wheat
Start	14877	End	15095
GI	none	Score	99
Exons	14877..15095, 14883..15083, 14884..15084		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o3.ts	Method	TBLASTX:Soybean
Start	15015	End	15399
GI	none	Score	160
Exons	15015..15257, 15016..15222, 15276..15398, 15277..15399		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o2.tc	Method	TBLASTX:Cress
Start	15795	End	16559
GI	none	Score	80
Exons	15795..15965, 16080..16403, 16488..16559		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o1.tw	Method	TBLASTX:Wheat
Start	16158	End	16559
GI	none	Score	80
Exons	16158..16403, 16488..16559		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80813	Strand	-
Start	13593	End	16731
Name	OJ990713_01.0317.C8.o4.ts	Method	TBLASTX:Soybean
Start	16194	End	16562
GI	none	Score	113
Exons	16194..16313, 16194..16358, 16210..16332, 16368..16475, 16380..16439, 16387..16476, 16488..16559, 16489..16557, 16500..16562		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80814	Strand	-
Start	16884	End	18465
Name	OJ990713_01.0317.C8.o1.tc	Method	TBLASTX:Cress
Start	16884	End	17945
GI	none	Score	246

Exons 16884..17066, 16906..17079, 16915..17007, 16918..17070,
17196..17285, 17197..17301, 17845..17937, 17847..17945

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80814	Strand	
Start	16884	End	18465
Name	OJ990713_01.0317.C8.o6.tm	Method	TBLASTX:Maize
Start	16884	End	17022
GI	none	Score	205
Exons	16884..17021, 16909..17022		

Seq. No.	39188	Seq. ID	OJ990713_01.0317.C8
Gene No.	80814	Strand	
Start	16884	End	18465
Name	OJ990713_01.0317.C8.o5.ts	Method	TBLASTX:Soybean
Start	16887	End	18465
GI	none	Score	229
Exons	16887..17069, 16906..17070, 16915..17007, 16918..17070, 17194..17301, 17196..17300, 17845..17955, 17853..17951, 18063..18179, 18067..18186, 18068..18178, 18354..18464, 18355..18465		

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80815	Strand	+
Start	344	End	447
Name	OJ990713_01.0317.C9.o1.gs	Method	GENSCAN
Start	344	End	447
GI	none	Score	.64
Exons	344..447		

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80816	Strand	+
Start	4014	End	4835
Name	OJ990713_01.0317.C9.o4.np	Method	AAT/NAP
Start	4014	End	4835
GI	4680186	Score	107
Exons	4014..4127, 4726..4835		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80817	Strand	-
Start	1231	End	7291
Name	OJ990713_01.0317.C9.o2.gs	Method	GENSCAN
Start	1231	End	3877
GI	none	Score	.5
Exons	1231..1380, 2474..2647, 2777..3073, 3833..3877		

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80817	Strand	-
Start	1231	End	7291
Name	OJ990713_01.0317.C9.o3.np	Method	AAT/NAP
Start	1231	End	6274
GI	7248394	Score	276
Exons	1231..1601, 1985..2317, 6242..6274		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15011 genomic sequence;		

putative pol polyprotein with a reverse transcriptase domain
(AC006446)

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80817	Strand	-
Start	1231	End	7291
Name	OJ990713_01.0317.C9.o5.np	Method	AAT/NAP
Start	4419	End	5519
GI	6907087	Score	457
Exons	4419..4520, 5071..5519		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39189	Seq. ID	OJ990713_01.0317.C9
Gene No.	80817	Strand	-
Start	1231	End	7291
Name	OJ990713_01.0317.C9.o4.gs	Method	GENSCAN
Start	5853	End	7291
GI	none	Score	.76
Exons	5853..7291		

Seq. No.	39190	Seq. ID	OJ990713_01.0317.C10
Gene No.	80818	Strand	+
Start	112	End	705
Name	OJ990713_01.0317.C10.o1.gs	Method	GENSCAN
Start	112	End	705
GI	none	Score	.68
Exons	112..230, 566..705		

Seq. No.	39190	Seq. ID	OJ990713_01.0317.C10
Gene No.	80819	Strand	-
Start	2101	End	4608
Name	OJ990713_01.0317.C10.o2.gs	Method	GENSCAN
Start	2101	End	4608
GI	none	Score	.58
Exons	2101..4608		

Seq. No.	39190	Seq. ID	OJ990713_01.0317.C10
Gene No.	80820	Strand	-
Start	5840	End	6066
Name	OJ990713_01.0317.C10.o3.gs	Method	GENSCAN
Start	5840	End	6066
GI	none	Score	.96
Exons	5840..6066		

Seq. No.	39191	Seq. ID	OJ990713_01.0317.C11
Gene No.	80821	Strand	-
Start	2066	End	3107
Name	OJ990713_01.0317.C11.o1.gs	Method	GENSCAN
Start	2066	End	3107
GI	none	Score	.71
Exons	2066..2316, 2573..2725, 2819..2968, 2978..3107		

Seq. No.	39192	Seq. ID	OJ990713_01.0317.C13
Gene No.	80822	Strand	-
Start	1	End	874

Name	OJ990713_01.0317.C13.o1.np	Method	AAT/NAP
Start	1	End	874
GI	4680179	Score	1219
Exons	1..874		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39192	Seq. ID	OJ990713_01.0317.C13
Gene No.	80822	Strand	-
Start	1	End	874
Name	OJ990713_01.0317.C13.o2.tw	Method	TBLASTX:Wheat
Start	2	End	245
GI	none	Score	66
Exons	2..178, 11..226, 12..245, 19..201		

Seq. No.	39192	Seq. ID	OJ990713_01.0317.C13
Gene No.	80822	Strand	-
Start	1	End	874
Name	OJ990713_01.0317.C13.o1.ts	Method	TBLASTX:Soybean
Start	4	End	353
GI	none	Score	110
Exons	4..201, 15..317, 45..317, 241..336, 321..353, 321..353		

Seq. No.	39192	Seq. ID	OJ990713_01.0317.C13
Gene No.	80822	Strand	-
Start	1	End	874
Name	OJ990713_01.0317.C13.o2.tm	Method	TBLASTX:Maize
Start	12	End	224
GI	none	Score	64
Exons	12..224, 22..156		

Seq. No.	39192	Seq. ID	OJ990713_01.0317.C13
Gene No.	80822	Strand	-
Start	1	End	874
Name	OJ990713_01.0317.C13.o1.gs	Method	GENSCAN
Start	108	End	728
GI	none	Score	.7
Exons	108..728		

Seq. No.	39192	Seq. ID	OJ990713_01.0317.C13
Gene No.	80822	Strand	-
Start	1	End	874
Name	OJ990713_01.0317.C13.o1.tm	Method	TBLASTX:Maize
Start	240	End	707
GI	none	Score	130
Exons	240..707, 277..636		

Seq. No.	39192	Seq. ID	OJ990713_01.0317.C13
Gene No.	80822	Strand	-
Start	1	End	874
Name	OJ990713_01.0317.C13.o1.tc	Method	TBLASTX:Cress
Start	258	End	648
GI	none	Score	38
Exons	258..647, 372..401, 475..648		

Seq. No.	39192	Seq. ID	OJ990713_01.0317.C13
Gene No.	80822	Strand	-
Start	1	End	874

Name	OJ990713_01.0317.C13.o1.tw	Method	TBLASTX:Wheat
Start	294	End	777
GI	none	Score	178
Exons	294..776, 303..749, 322..777		
Seq. No.	39192	Seq. ID	OJ990713_01.0317.C13
Gene No.	80822	Strand	-
Start	1	End	874
Name	OJ990713_01.0317.C13.o3.tm	Method	TBLASTX:Maize
Start	708	End	866
GI	none	Score	152
Exons	708..866, 709..855		

Seq. No.	39193	Seq. ID	OJ990913_08.0303.C1
Gene No.	80823	Strand	+
Start	288	End	475
Name	OJ990913_08.0303.C1.o1.gp	Method	AAT/GAP
Start	288	End	475
GI	2310235	Score	237
Exons	288..475		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	39194	Seq. ID	OJ990913_08.0303.C4
Gene No.	80824	Strand	
Start	1	End	456
Name	OJ990913_08.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	1	End	429
GI	none	Score	138
Exons	1..207, 8..226, 230..295, 298..429		

Seq. No.	39194	Seq. ID	OJ990913_08.0303.C4
Gene No.	80824	Strand	
Start	1	End	456
Name	OJ990913_08.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	34	End	456
GI	none	Score	158
Exons	34..282, 34..282, 35..295, 292..456, 301..450		

Seq. No.	39194	Seq. ID	OJ990913_08.0303.C4
Gene No.	80824	Strand	
Start	1	End	456
Name	OJ990913_08.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	56	End	330
GI	none	Score	207
Exons	56..295, 58..195, 59..292, 298..330		

Seq. No.	39195	Seq. ID	OJ990913_08.0303.C15
Gene No.	80825	Strand	+
Start	383	End	1732
Name	OJ990913_08.0303.C15.o1.gp	Method	AAT/GAP
Start	383	End	827
GI	LIB3431-028-P1-N1-A10	Score	770
Exons	383..453, 481..827		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	39195	Seq. ID	OJ990913_08.0303.C15
Gene No.	80825	Strand	+
Start	383	End	1732
Name	OJ990913_08.0303.C15.o1.tw	Method	TBLASTX:Wheat
Start	530	End	1732
GI	none	Score	131
Exons	530..613, 602..682, 695..835, 696..836, 783..878, 815..874, 879..926, 886..927, 920..1732, 936..1730		

Seq. No.	39195	Seq. ID	OJ990913_08.0303.C15
Gene No.	80825	Strand	+
Start	383	End	1732
Name	OJ990913_08.0303.C15.o1.tc	Method	TBLASTX:Cress
Start	1101	End	1554
GI	none	Score	310
Exons	1101..1550, 1103..1546, 1390..1554		

Seq. No.	39195	Seq. ID	OJ990913_08.0303.C15
Gene No.	80825	Strand	+
Start	383	End	1732
Name	OJ990913_08.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	1481	End	1720
GI	none	Score	61
Exons	1481..1705, 1481..1720, 1509..1709		

Seq. No.	39196	Seq. ID	OJ990913_08.0303.C30
Gene No.	80826	Strand	+
Start	386	End	894
Name	OJ990913_08.0303.C30.o1.gp	Method	AAT/GAP
Start	386	End	894
GI	38782_1.R1084	Score	796
Exons	386..894		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39197	Seq. ID	OJ990913_08.0303.C31
Gene No.	80827	Strand	-
Start	291	End	561
Name	OJ990913_08.0303.C31.o1.gp	Method	AAT/GAP
Start	291	End	561
GI	2310235	Score	397
Exons	291..561		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	39197	Seq. ID	OJ990913_08.0303.C31
Gene No.	80828	Strand	
Start	736	End	1141
Name	OJ990913_08.0303.C31.o1.tw	Method	TBLASTX:Wheat
Start	736	End	1141
GI	none	Score	64
Exons	736..1008, 738..878, 740..976, 971..1141		

Seq. No.	39198	Seq. ID	OJ990913_08.0303.C45
Gene No.	80829	Strand	
Start	864	End	1139
Name	OJ990913_08.0303.C45.o1.tm	Method	TBLASTX:Maize

Start 864
GI none
Exons 864..1139, 945..1136

End 1139
Score 96

Seq. No. 39199
Gene No. 80830
Start 1
Name OJ990913_08.0303.C47.o1.gp
Start 1
GI 35479 1.R1084
Exons 1..101
GI Descrip. '2982431/emb|CAA18239.1| 2.0e-31 (AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]'

Seq. ID OJ990913_08.0303.C47
Strand +
End 101
Method AAT/GAP
End 101
Score 198

Seq. No. 39200
Gene No. 80831
Start 6
Name OJ990913_08.0303.C52.o1.gp
Start 6
GI 4878407
Exons 6..431
GI Descrip. 6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12

Seq. ID OJ990913_08.0303.C52
Strand -
End 431
Method AAT/GAP
End 431
Score 667

Seq. No. 39201
Gene No. 80832
Start 798
Name OJ990913_08.0303.C55.o1.gp
Start 798
GI LIB3434-005-P1-K1-H8
Exons 798..1194
GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. ID OJ990913_08.0303.C55
Strand -
End 1194
Method AAT/GAP
End 1194
Score 544

Seq. No. 39201
Gene No. 80833
Start 2038
Name OJ990913_08.0303.C55.o1.tw
Start 2038
GI none
Exons 2038..2313, 2353..2523

Seq. ID OJ990913_08.0303.C55
Strand +
End 2523
Method TBLASTX:Wheat
End 2523
Score 86

Seq. No. 39202
Gene No. 80834
Start 305
Name OJ990913_08.0303.C68.o1.gp
Start 305
GI 21474 1.R1084
Exons 305..398
GI Descrip. '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'

Seq. ID OJ990913_08.0303.C68
Strand +
End 398
Method AAT/GAP
End 398
Score 136

Seq. No. 39203
Gene No. 80835
Start 290
Name OJ990913_06.0310.C2.o3.tw
Start 290

Seq. ID OJ990913_06.0310.C2
Strand +
End 627
Method TBLASTX:Wheat
End 616

GI	none	Score	191
Exons	290..544, 309..509, 544..585, 545..586, 581..616		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80835	Strand	
Start	290	End	627
Name	OJ990913_06.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	308	End	627
GI	none	Score	143
Exons	308..529, 311..529, 312..530, 315..530, 545..616, 547..627		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80836	Strand	
Start	544	End	872
Name	OJ990913_06.0310.C2.o2.ts	Method	TBLASTX:Soybean
Start	544	End	802
GI	none	Score	50
Exons	544..612, 544..645, 630..722, 637..723, 722..802		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80836	Strand	
Start	544	End	872
Name	OJ990913_06.0310.C2.o5.tm	Method	TBLASTX:Maize
Start	627	End	799
GI	none	Score	101
Exons	627..719, 628..720, 722..799, 726..797		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80836	Strand	
Start	544	End	872
Name	OJ990913_06.0310.C2.o5.tw	Method	TBLASTX:Wheat
Start	627	End	872
GI	none	Score	126
Exons	627..722, 628..723, 633..725, 656..724, 722..823, 722..835, 726..830, 828..872		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80837	Strand	
Start	1075	End	1584
Name	OJ990913_06.0310.C2.o1.tw	Method	TBLASTX:Wheat
Start	1075	End	1584
GI	none	Score	241
Exons	1075..1584, 1174..1506, 1220..1552		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80837	Strand	
Start	1075	End	1584
Name	OJ990913_06.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	1159	End	1512
GI	none	Score	235
Exons	1159..1512, 1196..1510		

Seq. No.	39203	Seq. ID	OJ990913_06.0310.C2
Gene No.	80837	Strand	
Start	1075	End	1584
Name	OJ990913_06.0310.C2.o3.ts	Method	TBLASTX:Soybean
Start	1333	End	1578

GI none
Exons 1333..1578

Score 186

Seq. No. 39203
Gene No. 80838
Start 1513
Name OJ990913_06.0310.C2.o4.tm
Start 1513
GI none
Exons 1513..1593, 1599..1832

Seq. ID OJ990913_06.0310.C2
Strand
End 1994
Method TBLASTX:Maize
End 1832
Score 221

Seq. No. 39203
Gene No. 80838
Start 1513
Name OJ990913_06.0310.C2.o4.tw
Start 1597
GI none
Exons 1597..1854, 1599..1844

Seq. ID OJ990913_06.0310.C2
Strand
End 1994
Method TBLASTX:Wheat
End 1854
Score 179

Seq. No. 39203
Gene No. 80838
Start 1513
Name OJ990913_06.0310.C2.o1.ts
Start 1599
GI none
Exons 1599..1844, 1600..1650, 1711..1854, 1905..1958, 1962..1994

Seq. ID OJ990913_06.0310.C2
Strand
End 1994
Method TBLASTX:Soybean
End 1994
Score 43

Seq. No. 39203
Gene No. 80839
Start 1911
Name OJ990913_06.0310.C2.o3.tm
Start 1911
GI none
Exons 1911..2348

Seq. ID OJ990913_06.0310.C2
Strand
End 2417
Method TBLASTX:Maize
End 2348
Score 335

Seq. No. 39203
Gene No. 80839
Start 1911
Name OJ990913_06.0310.C2.o2.tw
Start 1935
GI none
Exons 1935..2417, 1978..2313

Seq. ID OJ990913_06.0310.C2
Strand
End 2417
Method TBLASTX:Wheat
End 2417
Score 231

Seq. No. 39203
Gene No. 80839
Start 1911
Name OJ990913_06.0310.C2.o4.ts
Start 2067
GI none
Exons 2067..2381, 2071..2265

Seq. ID OJ990913_06.0310.C2
Strand
End 2417
Method TBLASTX:Soybean
End 2381
Score 65

Seq. No. 39203
Gene No. 80840
Start 2580
Name OJ990913_06.0310.C2.o6.tw
Start 2580
GI none

Seq. ID OJ990913_06.0310.C2
Strand
End 2996
Method TBLASTX:Wheat
End 2996
Score 94

Exons 2580..2765, 2581..2736, 2787..2996, 2848..2946

Seq. No.	39204	Seq. ID	OJ990913_06.0310.C5
Gene No.	80841	Strand	-
Start	435	End	591
Name	OJ990913_06.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	418	End	591
GI	none	Score	49
Exons	418..474, 426..473, 473..580, 474..581, 477..584, 478..582, 484..591		

Seq. No.	39204	Seq. ID	OJ990913_06.0310.C5
Gene No.	80841	Strand	-
Start	435	End	591
Name	OJ990913_06.0310.C5.o1.gp	Method	AAT/GAP
Start	435	End	582
GI	2442882	Score	254
Exons	435..582		

Seq. No.	39205	Seq. ID	OJ990913_06.0310.C7
Gene No.	80842	Strand	-
Start	3114	End	3309
Name	OJ990913_06.0310.C7.o1.gp	Method	AAT/GAP
Start	3114	End	3309
GI	none	Score	339
Exons	3114..3309		

Seq. No.	39206	Seq. ID	OJ990913_06.0310.C8
Gene No.	80843	Strand	+
Start	6407	End	6473
Name	OJ990913_06.0310.C8.o1.gp	Method	AAT/GAP
Start	6407	End	6473
GI	uC-osroM202024h08a1	Score	85
Exons	6407..6473		
GI Descrip.	'5852170/emb AL117265.1 OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39207	Seq. ID	OJ990913_06.0310.C12
Gene No.	80844	Strand	+
Start	1	End	323
Name	OJ990913_06.0310.C12.o1.gp	Method	AAT/GAP
Start	1	End	323
GI	LIB3432-026-P1-K1-D8	Score	630
Exons	1..323		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39208	Seq. ID	OJ990913_06.0310.C13
Gene No.	80845	Strand	+
Start	5610	End	7500
Name	OJ990913_06.0310.C13.o2.tm	Method	TBLASTX:Maize
Start	74	End	414
GI	none	Score	89
Exons	74..163, 299..412, 301..414		

Seq. No.	39208	Seq. ID	OJ990913_06.0310.C13
Gene No.	80845	Strand	+

Start	5610	End	7500
Name	OJ990913_06.0310.C13.o1.tm	Method	TBLASTX:Maize
Start	5299	End	7500
GI	none	Score	272
Exons	5299..5511, 5300..5512, 5612..5731, 5614..5733, 5614..5730, 7199..7270, 7203..7313, 7204..7299, 7208..7312, 7363..7488, 7365..7490, 7369..7500		

Seq. No.	39208	Seq. ID	OJ990913_06.0310.C13
Gene No.	80845	Strand	+
Start	5610	End	7500
Name	OJ990913_06.0310.C13.o1.gp	Method	AAT/GAP
Start	5610	End	7487
GI	8873_1.R1084	Score	520
Exons	5610..5736, 7204..7274, 7368..7487		
GI Descrip.	'3319357 1.0e-133 (AF077407) contains similarity to phosphoenolpyruvate synthase (ppsA) (GB:AE001056) [Arabidopsis thaliana]'		

Seq. No.	39209	Seq. ID	OJ990913_06.0310.C14
Gene No.	80846	Strand	+
Start	102	End	3417
Name	OJ990913_06.0310.C14.o1.gp	Method	AAT/GAP
Start	102	End	3417
GI	8873_1.R1084	Score	1586
Exons	102..188, 264..340, 2123..2285, 2393..2522, 3028..3417		
GI Descrip.	'3319357 1.0e-133 (AF077407) contains similarity to phosphoenolpyruvate synthase (ppsA) (GB:AE001056) [Arabidopsis thaliana]'		

Seq. No.	39209	Seq. ID	OJ990913_06.0310.C14
Gene No.	80846	Strand	+
Start	102	End	3417
Name	OJ990913_06.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	2383	End	3417
GI	none	Score	71
Exons	2383..2520, 2390..2521, 3026..3415, 3027..3416, 3040..3417		

Seq. No.	39209	Seq. ID	OJ990913_06.0310.C14
Gene No.	80846	Strand	+
Start	102	End	3417
Name	OJ990913_06.0310.C14.o1.ts	Method	TBLASTX:Soybean
Start	3024	End	3417
GI	none	Score	438
Exons	3024..3098, 3026..3412, 3027..3416, 3150..3416, 3151..3417, 3265..3417		

Seq. No.	39209	Seq. ID	OJ990913_06.0310.C14
Gene No.	80846	Strand	+
Start	102	End	3417
Name	OJ990913_06.0310.C14.o1.tc	Method	TBLASTX:Cress
Start	3032	End	3416
GI	none	Score	371
Exons	3032..3187, 3033..3416, 3236..3415		

Seq. No.	39210	Seq. ID	OJ990913_06.0310.C15
Gene No.	80847	Strand	-

Start	1	End	359
Name	OJ990913_06.0310.C15.o1.gp	Method	AAT/GAP
Start	1	End	359
GI	3490 1.R1084	Score	682
Exons	1..359		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39210	Seq. ID	OJ990913_06.0310.C15
Gene No.	80847	Strand	-
Start	1	End	359
Name	OJ990913_06.0310.C15.o1.tm	Method	TBLASTX:Maize
Start	4	End	189
GI	none	Score	286
Exons	4..189, 8..187		

Seq. No.	39210	Seq. ID	OJ990913_06.0310.C15
Gene No.	80847	Strand	-
Start	1	End	359
Name	OJ990913_06.0310.C15.o1.tc	Method	TBLASTX:Cress
Start	5	End	187
GI	none	Score	237
Exons	5..187, 5..184, 7..186		

Seq. No.	39211	Seq. ID	OJ990913_06.0310.C16
Gene No.	80848	Strand	+
Start	2159	End	2219
Name	OJ990913_06.0310.C16.o1.gp	Method	AAT/GAP
Start	2159	End	2219
GI	2312838	Score	72
Exons	2159..2219		
GI Descrip.	1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	39211	Seq. ID	OJ990913_06.0310.C16
Gene No.	80849	Strand	-
Start	2053	End	2394
Name	OJ990913_06.0310.C16.o2.gp	Method	AAT/GAP
Start	2053	End	2394
GI	LIB3433-003-Q6-K6-G8	Score	595
Exons	2053..2394		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 1.0e-25 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39211	Seq. ID	OJ990913_06.0310.C16
Gene No.	80850	Strand	-
Start	3721	End	3898
Name	OJ990913_06.0310.C16.o3.gp	Method	AAT/GAP
Start	3721	End	3898
GI	uC-osflcyp089e10b1	Score	324
Exons	3721..3898		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39211	Seq. ID	OJ990913_06.0310.C16
Gene No.	80851	Strand	-
Start	5787	End	6439

Name	OJ990913_06.0310.C16.o4.gp	Method	AAT/GAP
Start	5787	End	6439
GI	LIB3431-051-P1-K1-E4	Score	678
Exons	5787..6064, 6310..6439		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39212	Seq. ID	OJ990913_06.0310.C20
Gene No.	80852	Strand	
Start	6	End	368
Name	OJ990913_06.0310.C20.o2.ts	Method	TBLASTX:Soybean
Start	6	End	287
GI	none	Score	87
Exons	6..287, 7..219, 61..111		

Seq. No.	39212	Seq. ID	OJ990913_06.0310.C20
Gene No.	80852	Strand	
Start	6	End	368
Name	OJ990913_06.0310.C20.o1.tm	Method	TBLASTX:Maize
Start	36	End	368
GI	none	Score	212
Exons	36..368		

Seq. No.	39212	Seq. ID	OJ990913_06.0310.C20
Gene No.	80853	Strand	
Start	624	End	1067
Name	OJ990913_06.0310.C20.o1.tw	Method	TBLASTX:Wheat
Start	624	End	1022
GI	none	Score	74
Exons	624..893, 646..882, 933..1022		

Seq. No.	39212	Seq. ID	OJ990913_06.0310.C20
Gene No.	80853	Strand	
Start	624	End	1067
Name	OJ990913_06.0310.C20.o1.ts	Method	TBLASTX:Soybean
Start	655	End	1067
GI	none	Score	114
Exons	655..897, 657..914, 832..915, 930..1067, 930..1067		

Seq. No.	39213	Seq. ID	OJ990913_06.0310.C23
Gene No.	80854	Strand	-
Start	1749	End	2024
Name	OJ990913_06.0310.C23.o1.gp	Method	AAT/GAP
Start	1749	End	2024
GI	uC-osflcyp053f07a1	Score	348
Exons	1749..2024		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	39214	Seq. ID	OJ990913_06.0310.C24
Gene No.	80855	Strand	
Start	1638	End	2075
Name	OJ990913_06.0310.C24.o1.ts	Method	TBLASTX:Soybean
Start	1638	End	1883
GI	none	Score	45
Exons	1638..1883, 1642..1671, 1644..1673, 1711..1881, 1716..1883		

Seq. No.	39214	Seq. ID	OJ990913_06.0310.C24
Gene No.	80855	Strand	
Start	1638	End	2075
Name	OJ990913_06.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	1659	End	2075
GI	none	Score	69
Exons	1659..2075, 1693..1836		
Seq. No.	39215	Seq. ID	OJ990913_06.0310.C26
Gene No.	80856	Strand	-
Start	1032	End	1260
Name	OJ990913_06.0310.C26.o1.gp	Method	AAT/GAP
Start	1032	End	1260
GI	20088_1.R1084	Score	387
Exons	1032..1260		
GI Descrip.	'6041757/gb AC011806.1 AC011806 3.0e-72 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o5.tw	Method	TBLASTX:Wheat
Start	329	End	927
GI	none	Score	61
Exons	329..460, 452..616, 685..927, 686..781, 836..922		
Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o4.tm	Method	TBLASTX:Maize
Start	368	End	622
GI	none	Score	95
Exons	368..469, 369..470, 449..622, 450..602		
Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o3.tw	Method	TBLASTX:Wheat
Start	929	End	1311
GI	none	Score	225
Exons	929..1306, 931..1311, 1057..1311		
Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o1.tm	Method	TBLASTX:Maize
Start	1141	End	1449
GI	none	Score	234
Exons	1141..1449, 1142..1426		
Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o9.tw	Method	TBLASTX:Wheat
Start	1405	End	1746
GI	none	Score	53

Exons 1405..1545, 1472..1558, 1612..1746

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o4.tw	Method	TBLASTX:Wheat
Start	1762	End	2183
GI	none	Score	89
Exons	1762..1977, 1838..1978, 1977..2183, 1978..2178		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o2.ts	Method	TBLASTX:Soybean
Start	1805	End	2192
GI	none	Score	67
Exons	1805..1945, 1807..1929, 1975..2043, 1977..2048, 1978..2052, 2088..2192, 2098..2184		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o5.tm	Method	TBLASTX:Maize
Start	1858	End	2130
GI	none	Score	81
Exons	1858..1956, 1882..2130, 1977..2129		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o8.tw	Method	TBLASTX:Wheat
Start	2184	End	2468
GI	none	Score	55
Exons	2184..2276, 2187..2468, 2361..2459		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o1.ts	Method	TBLASTX:Soybean
Start	2418	End	2819
GI	none	Score	49
Exons	2418..2819, 2446..2622, 2505..2786, 2659..2802		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o2.tw	Method	TBLASTX:Wheat
Start	2476	End	2897
GI	none	Score	244
Exons	2476..2850, 2478..2897, 2479..2799		

Seq. No.	39216	Seq. ID	OJ990913_06.0310.C30
Gene No.	80857	Strand	+
Start	6116	End	6873
Name	OJ990913_06.0310.C30.o3.tm	Method	TBLASTX:Maize
Start	2571	End	2954
GI	none	Score	136

Exons 2571..2954, 2572..2802

Seq. No. 39216
Gene No. 80857
Start 6116
Name OJ990913_06.0310.C30.o2.tm
Start 2982
GI none
Exons 2982..3338, 2992..3297

Seq. ID OJ990913_06.0310.C30
Strand +
End 6873
Method TBLASTX:Maize
End 3338
Score 192

Seq. No. 39216
Gene No. 80857
Start 6116
Name OJ990913_06.0310.C30.o1.tw
Start 3012
GI none
Exons 3012..3467, 3013..3468

Seq. ID OJ990913_06.0310.C30
Strand +
End 6873
Method TBLASTX:Wheat
End 3468
Score 280

Seq. No. 39216
Gene No. 80857
Start 6116
Name OJ990913_06.0310.C30.o3.ts
Start 3063
GI none
Exons 3063..3194, 3204..3428

Seq. ID OJ990913_06.0310.C30
Strand +
End 6873
Method TBLASTX:Soybean
End 3428
Score 133

Seq. No. 39216
Gene No. 80857
Start 6116
Name OJ990913_06.0310.C30.o6.tw
Start 3468
GI none
Exons 3468..3641, 3690..3920, 3721..3924, 3968..4144

Seq. ID OJ990913_06.0310.C30
Strand +
End 6873
Method TBLASTX:Wheat
End 4144
Score 148

Seq. No. 39216
Gene No. 80857
Start 6116
Name OJ990913_06.0310.C30.o7.tw
Start 4724
GI none
Exons 4724..5125, 4857..5126

Seq. ID OJ990913_06.0310.C30
Strand +
End 6873
Method TBLASTX:Wheat
End 5126
Score 121

Seq. No. 39216
Gene No. 80857
Start 6116
Name OJ990913_06.0310.C30.o1.gp
Start 6116
GI 5816562
Exons 6116..6141, 6462..6873

Seq. ID OJ990913_06.0310.C30
Strand +
End 6873
Method AAT/GAP
End 6873
Score 616

GI Descrip. 6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10

Seq. No. 39217
Gene No. 80858
Start 5602
Name OJ990913_06.0310.C31.o1.tm
Start 5602

Seq. ID OJ990913_06.0310.C31
Strand +
End 5868
Method TBLASTX:Maize
End 5868

GI none
Exons 5602..5868, 5613..5759

Score 191

Seq. No. 39217
Gene No. 80858
Start 5602
Name OJ990913_06.0310.C31.o1.tw
Start 5605
GI none
Exons 5605..5868, 5605..5775, 5607..5780

Seq. ID OJ990913_06.0310.C31
Strand
End 5868
Method TBLASTX:Wheat
End 5868
Score 222

Seq. No. 39218
Gene No. 80859
Start 241
Name OJ990913_06.0310.C32.o5.ts
Start 241
GI none
Exons 241..447, 245..280, 356..442

Seq. ID OJ990913_06.0310.C32
Strand
End 447
Method TBLASTX:Soybean
End 447
Score 47

Seq. No. 39218
Gene No. 80860
Start 1026
Name OJ990913_06.0310.C32.o4.ts
Start 1026
GI none
Exons 1026..1307

Seq. ID OJ990913_06.0310.C32
Strand
End 1427
Method TBLASTX:Soybean
End 1307
Score 196

Seq. No. 39218
Gene No. 80860
Start 1026
Name OJ990913_06.0310.C32.o4.tm
Start 1074
GI none
Exons 1074..1427

Seq. ID OJ990913_06.0310.C32
Strand
End 1427
Method TBLASTX:Maize
End 1427
Score 206

Seq. No. 39218
Gene No. 80861
Start 1951
Name OJ990913_06.0310.C32.o2.ts
Start 1951
GI none
Exons 1951..2046, 1952..2014, 2108..2182, 2109..2183, 2230..2367, 2230..2367, 2234..2368

Seq. ID OJ990913_06.0310.C32
Strand
End 2368
Method TBLASTX:Soybean
End 2368
Score 61

Seq. No. 39218
Gene No. 80862
Start 2519
Name OJ990913_06.0310.C32.o1.ts
Start 2519
GI none
Exons 2519..2665, 2521..2727, 2695..2952, 2706..2987, 2745..2957

Seq. ID OJ990913_06.0310.C32
Strand
End 3572
Method TBLASTX:Soybean
End 2987
Score 70

Seq. No. 39218
Gene No. 80862
Start 2519
Name OJ990913_06.0310.C32.o2.tw
Start 2605

Seq. ID OJ990913_06.0310.C32
Strand
End 3572
Method TBLASTX:Wheat
End 2978

GI	none	Score	65
Exons	2605..2664, 2700..2978, 2814..2930		
Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80862	Strand	
Start	2519	End	3572
Name	OJ990913_06.0310.C32.o1.tm	Method	TBLASTX:Maize
Start	2676	End	3134
GI	none	Score	317
Exons	2676..3134, 2677..2985, 3070..3132		
Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80862	Strand	
Start	2519	End	3572
Name	OJ990913_06.0310.C32.o1.tw	Method	TBLASTX:Wheat
Start	3001	End	3410
GI	none	Score	358
Exons	3001..3402, 3003..3410, 3070..3390		
Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80862	Strand	
Start	2519	End	3572
Name	OJ990913_06.0310.C32.o2.tm	Method	TBLASTX:Maize
Start	3135	End	3350
GI	none	Score	97
Exons	3135..3281, 3135..3350, 3136..3348		
Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80862	Strand	
Start	2519	End	3572
Name	OJ990913_06.0310.C32.o3.ts	Method	TBLASTX:Soybean
Start	3204	End	3572
GI	none	Score	142
Exons	3204..3335, 3354..3572		
Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80863	Strand	
Start	4052	End	4414
Name	OJ990913_06.0310.C32.o6.ts	Method	TBLASTX:Soybean
Start	4052	End	4414
GI	none	Score	181
Exons	4052..4414		
Seq. No.	39218	Seq. ID	OJ990913_06.0310.C32
Gene No.	80864	Strand	
Start	5553	End	5921
Name	OJ990913_06.0310.C32.o3.tm	Method	TBLASTX:Maize
Start	5553	End	5921
GI	none	Score	53
Exons	5553..5771, 5650..5766, 5796..5921, 5797..5904		
Seq. No.	39219	Seq. ID	OJ990913_06.0310.C35
Gene No.	80865	Strand	
Start	48	End	564
Name	OJ990913_06.0310.C35.o1.tm	Method	TBLASTX:Maize
Start	48	End	495
GI	none	Score	124

Exons 48..491, 57..419, 313..495

Seq. No. 39219
 Gene No. 80865
 Start 48
 Name OJ990913_06.0310.C35.o1.tw
 Start 78
 GI none
 Exons 78..560, 120..557, 271..564

Seq. ID OJ990913_06.0310.C35
 Strand
 End 564
 Method TBLASTX:Wheat
 End 564
 Score 203

Seq. No. 39219
 Gene No. 80865
 Start 48
 Name OJ990913_06.0310.C35.o1.ts
 Start 210
 GI none
 Exons 210..524

Seq. ID OJ990913_06.0310.C35
 Strand
 End 564
 Method TBLASTX:Soybean
 End 524
 Score 196

Seq. No. 39219
 Gene No. 80866
 Start 699
 Name OJ990913_06.0310.C35.o3.tw
 Start 699
 GI none
 Exons 699..1046, 736..867

Seq. ID OJ990913_06.0310.C35
 Strand
 End 1100
 Method TBLASTX:Wheat
 End 1046
 Score 55

Seq. No. 39219
 Gene No. 80866
 Start 699
 Name OJ990913_06.0310.C35.o3.tm
 Start 780
 GI none
 Exons 780..1100

Seq. ID OJ990913_06.0310.C35
 Strand
 End 1100
 Method TBLASTX:Maize
 End 1100
 Score 184

Seq. No. 39219
 Gene No. 80867
 Start 1401
 Name OJ990913_06.0310.C35.o2.tw
 Start 1401
 GI none
 Exons 1401..1745, 1550..1642, 1615..1746

Seq. ID OJ990913_06.0310.C35
 Strand
 End 1746
 Method TBLASTX:Wheat
 End 1746
 Score 54

Seq. No. 39219
 Gene No. 80867
 Start 1401
 Name OJ990913_06.0310.C35.o2.tm
 Start 1446
 GI none
 Exons 1446..1745, 1447..1527, 1598..1627, 1615..1722

Seq. ID OJ990913_06.0310.C35
 Strand
 End 1746
 Method TBLASTX:Maize
 End 1745
 Score 47

Seq. No. 39219
 Gene No. 80868
 Start 1797
 Name OJ990913_06.0310.C35.o4.tw
 Start 1797
 GI none
 Exons 1797..1979, 1798..1977

Seq. ID OJ990913_06.0310.C35
 Strand
 End 1979
 Method TBLASTX:Wheat
 End 1979
 Score 133

Seq. No.	39220	Seq. ID	OJ990913_06.0310.C43
Gene No.	80869	Strand	
Start	2	End	467
Name	OJ990913_06.0310.C43.ol.tw	Method	TBLASTX:Wheat
Start	2	End	305
GI	none	Score	110
Exons	2..37, 32..199, 49..147, 152..235, 153..236, 153..254, 175..243, 249..305, 259..300		

Seq. No.	39220	Seq. ID	OJ990913_06.0310.C43
Gene No.	80869	Strand	
Start	2	End	467
Name	OJ990913_06.0310.C43.ol.tm	Method	TBLASTX:Maize
Start	5	End	251
GI	none	Score	115
Exons	5..37, 32..148, 40..147, 135..251, 175..243		

Seq. No.	39220	Seq. ID	OJ990913_06.0310.C43
Gene No.	80869	Strand	
Start	2	End	467
Name	OJ990913_06.0310.C43.ol.ts	Method	TBLASTX:Soybean
Start	153	End	467
GI	none	Score	120
Exons	153..236, 249..467		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80870	Strand	+
Start	38	End	144
Name	OJ000308_24.0403.C1.ol.gp	Method	AAT/GAP
Start	38	End	144
GI	2280831	Score	127
Exons	38..144		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80871	Strand	+
Start	3056	End	5390
Name	OJ000308_24.0403.C1.ol.np	Method	AAT/NAP
Start	3026	End	5185
GI	7258357	Score	2364
Exons	3026..5185		
GI Descrip.	(AL138656) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80871	Strand	+
Start	3056	End	5390
Name	OJ000308_24.0403.C1.o2.gs	Method	GENSCAN
Start	3056	End	5188
GI	none	Score	1
Exons	3056..5188		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80871	Strand	+
Start	3056	End	5390
Name	OJ000308_24.0403.C1.o2.gp	Method	AAT/GAP
Start	5043	End	5390
GI	none	Score	668

Exons 5043..5390

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80872	Strand	+
Start	9056	End	12432
Name	OJ000308_24.0403.C1.o2.np	Method	AAT/NAP
Start	9056	End	12429
GI	7529278	Score	1883
Exons	9056..9184, 10078..12429		
GI Descrip.	(AL163491) putative protein [Arabidopsis thaliana]		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80872	Strand	+
Start	9056	End	12432
Name	OJ000308_24.0403.C1.o4.gs	Method	GENSCAN
Start	9919	End	12432
GI	none	Score	.93
Exons	9919..12432		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80873	Strand	+
Start	14358	End	28426
Name	OJ000308_24.0403.C1.o5.gs	Method	GENSCAN
Start	14358	End	28426
GI	none	Score	.55
Exons	14358..14468, 14541..14572, 16367..16580, 16610..16790, 17998..18087, 19669..20002, 20811..21007, 21076..21182, 21354..21491, 24432..24545, 26238..26284, 26437..26628, 26716..26818, 26968..27102, 27929..28426		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80874	Strand	-
Start	211	End	1971
Name	OJ000308_24.0403.C1.o1.gs	Method	GENSCAN
Start	211	End	1971
GI	none	Score	.57
Exons	211..351, 1228..1352, 1938..1971		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80875	Strand	-
Start	9416	End	9845
Name	OJ000308_24.0403.C1.o3.gp	Method	AAT/GAP
Start	9416	End	9845
GI	2981_1.R1084	Score	58
Exons	9416..9450, 9792..9845		
GI Descrip.	'21693/emb CAA46810 1.0e-152 (X66012) cathepsin B [Triticum aestivum]'		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o5.ts	Method	TBLASTX:Soybean
Start	3116	End	3742
GI	none	Score	41
Exons	3116..3148, 3221..3268, 3341..3463, 3514..3570, 3515..3571, 3682..3732, 3683..3742		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o1.tc	Method	TBLASTX:Cress
Start	3521	End	5065
GI	none	Score	158
Exons	3521..3724, 3821..4090, 3836..4090, 4106..4219, 4117..4212, 4877..5065		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o1.tm	Method	TBLASTX:Maize
Start	3542	End	5043
GI	none	Score	83
Exons	3542..3682, 3965..4069, 4252..4329, 4253..5041, 4432..5043		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o1.ts	Method	TBLASTX:Soybean
Start	3572	End	5180
GI	none	Score	92
Exons	3572..3682, 3827..4120, 3878..4093, 3965..4069, 4063..4119, 4097..4390, 4100..4228, 4102..4329, 4118..4162, 4298..4528, 4432..4464, 4529..5134, 4561..5112, 4862..5071, 4920..5180		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o1.tw	Method	TBLASTX:Wheat
Start	3572	End	4666
GI	none	Score	77
Exons	3572..3667, 3601..3663, 4216..4329, 4217..4666, 4347..4661, 4391..4666		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o5.tm	Method	TBLASTX:Maize
Start	3682	End	3964
GI	none	Score	88
Exons	3682..3741, 3683..3742, 3683..3964, 3815..3964		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o4.tw	Method	TBLASTX:Wheat
Start	3923	End	5087
GI	none	Score	105
Exons	3923..4069, 3986..4090, 4097..4165, 4796..5071, 4825..5052, 4931..5086, 4941..5087		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o3.tc	Method	TBLASTX:Cress

Start	4219	End	4609
GI	none	Score	203
Exons	4219..4329, 4220..4396, 4406..4609, 4432..4467, 4433..4603, 4561..4608		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o2.tm	Method	TBLASTX:Maize
Start	10201	End	12177
GI	none	Score	119
Exons	10201..10344, 10204..10422, 10216..10425, 10456..10704, 10699..11028, 10759..10986, 10780..10923, 10825..11094, 10933..11286, 10987..11331, 10996..11400, 11119..11286, 11197..11382, 11299..11625, 11314..12177, 11329..11352, 11428..11589, 11430..11540, 11613..11849, 11931..12044		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o4.ts	Method	TBLASTX:Soybean
Start	10204	End	11670
GI	none	Score	128
Exons	10204..10425, 10387..10734, 10684..11061, 10686..10982, 10771..11037, 10989..11075, 10990..11367, 11196..11339, 11311..11670, 11424..11540		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o4.tc	Method	TBLASTX:Cress
Start	10315	End	11898
GI	none	Score	130
Exons	10315..10773, 10609..11076, 10915..11391, 11212..11772, 11776..11898		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o2.tw	Method	TBLASTX:Wheat
Start	10399	End	11733
GI	none	Score	119
Exons	10399..10734, 10657..10776, 10816..11073, 10957..11346, 11254..11733, 11598..11732		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o2.ts	Method	TBLASTX:Soybean
Start	11671	End	12204
GI	none	Score	434
Exons	11671..12204, 11679..12044, 12075..12203		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o2.tc	Method	TBLASTX:Cress

Start	11899	End	12435
GI	none	Score	428
Exons	11899..12435, 11928..12431, 12283..12432		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o4.tm	Method	TBLASTX:Maize
Start	12178	End	12435
GI	none	Score	314
Exons	12178..12435, 12225..12434		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o3.ts	Method	TBLASTX:Soybean
Start	12214	End	12438
GI	none	Score	289
Exons	12214..12438, 12225..12431		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o6.tm	Method	TBLASTX:Maize
Start	16601	End	16822
GI	none	Score	226
Exons	16601..16822, 16603..16821, 16610..16822		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o5.tw	Method	TBLASTX:Wheat
Start	16607	End	16966
GI	none	Score	178
Exons	16607..16777, 16621..16764, 16859..16966		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o3.tm	Method	TBLASTX:Maize
Start	16864	End	17333
GI	none	Score	314
Exons	16864..17271, 16865..17236, 17282..17332, 17283..17333		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o3.tw	Method	TBLASTX:Wheat
Start	17066	End	17428
GI	none	Score	134
Exons	17066..17287, 17282..17428, 17283..17426		

Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o5.np	Method	AAT/NAP
Start	26060	End	28482

GI	7340881	Score	132
Exons	26060..26082, 27902..28157, 28373..28482		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		
Seq. No.	39221	Seq. ID	OJ000308_24.0403.C1
Gene No.	80876	Strand	-
Start	26060	End	28482
Name	OJ000308_24.0403.C1.o4.gp	Method	AAT/GAP
Start	26328	End	26439
GI	uC-osflcyp088b12b1	Score	169
Exons	26328..26439		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39222	Seq. ID	OJ000308_24.0403.C2
Gene No.	80877	Strand	+
Start	60	End	1439
Name	OJ000308_24.0403.C2.o1.gs	Method	GENSCAN
Start	60	End	1439
GI	none	Score	.62
Exons	60..198, 1348..1439		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80878	Strand	+
Start	97	End	987
Name	OJ000308_24.0403.C3.o1.gs	Method	GENSCAN
Start	97	End	987
GI	none	Score	.44
Exons	97..987		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2173
GI	none	Score	83
Exons	1..123, 187..519, 2032..2079, 2033..2098, 2122..2166, 2123..2173		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o3.tw	Method	TBLASTX:Wheat
Start	34	End	423
GI	none	Score	89
Exons	34..168, 40..123, 181..423, 195..284		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o2.gs	Method	GENSCAN
Start	1066	End	2152
GI	none	Score	.57
Exons	1066..1747, 1851..1906, 2006..2152		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764

Name	OJ000308_24.0403.C3.o2.tm	Method	TBLASTX:Maize
Start	1891	End	2275
GI	none	Score	90
Exons	1891..1983, 1893..1985, 2012..2275, 2033..2188, 2116..2244		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o2.np	Method	AAT/NAP
Start	2003	End	2764
GI	7489803	Score	749
Exons	2003..2764		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi 3645899 gb AAC49502.1 (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o2.tw	Method	TBLASTX:Wheat
Start	2027	End	2344
GI	none	Score	228
Exons	2027..2344, 2110..2262		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	2411	End	2749
GI	none	Score	467
Exons	2411..2749, 2411..2746, 2677..2748		

Seq. No.	39223	Seq. ID	OJ000308_24.0403.C3
Gene No.	80879	Strand	+
Start	1066	End	2764
Name	OJ000308_24.0403.C3.o1.tw	Method	TBLASTX:Wheat
Start	2416	End	2752
GI	none	Score	260
Exons	2416..2646, 2417..2662, 2702..2752		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80880	Strand	+
Start	1	End	718
Name	OJ000308_24.0403.C4.o1.np	Method	AAT/NAP
Start	1	End	718
GI	6630685	Score	996
Exons	1..718		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80881	Strand	+
Start	1422	End	5486
Name	OJ000308_24.0403.C4.o1.gs	Method	GENSCAN
Start	1422	End	5486
GI	none	Score	.58
Exons	1422..1554, 1680..1736, 2047..2107, 2297..3395, 5366..5486		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80882	Strand	+
Start	12593	End	12921
Name	OJ000308_24.0403.C4.o2.gp	Method	AAT/GAP
Start	12593	End	12921
GI	3107514	Score	654
Exons	12593..12921		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80883	Strand	-
Start	3373	End	7418
Name	OJ000308_24.0403.C4.o2.np	Method	AAT/NAP
Start	3373	End	7418
GI	6721516	Score	608
Exons	3373..3424, 4693..5037, 5456..5696, 7380..7418		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80884	Strand	-
Start	7393	End	11236
Name	OJ000308_24.0403.C4.o3.np	Method	AAT/NAP
Start	7393	End	11236
GI	7487480	Score	124
Exons	7393..7829, 11165..11236		
GI Descrip.	hypothetical protein T27E13.3 - Arabidopsis thaliana gi 2347189 gb AAC16928.1 (AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80884	Strand	-
Start	7393	End	11236
Name	OJ000308_24.0403.C4.o1.gp	Method	AAT/GAP
Start	7567	End	8019
GI	LIB3432-039-P1-K1-A5	Score	842
Exons	7567..8019		
GI Descrip.	'2347189 2.0e-11 (AC002338) hypothetical protein [Arabidopsis thaliana] >gi_3150399 (AC004165) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80885	Strand	-
Start	12282	End	12725
Name	OJ000308_24.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	55	End	731
GI	none	Score	751
Exons	55..591, 57..581, 64..597, 593..715, 613..729, 618..731		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80885	Strand	-
Start	12282	End	12725
Name	OJ000308_24.0403.C4.o1.ts	Method	TBLASTX:Soybean
Start	64	End	584
GI	none	Score	309
Exons	64..447, 69..440, 76..447, 481..579, 489..584		

Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
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Gene No.	80885	Strand	-
Start	12282	End	12725
Name	OJ000308_24.0403.C4.o1.tw	Method	TBLASTX:Wheat
Start	225	End	375
GI	none	Score	69
Exons	225..365, 225..374, 226..375		
Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80885	Strand	-
Start	12282	End	12725
Name	OJ000308_24.0403.C4.o2.tm	Method	TBLASTX:Maize
Start	7626	End	7829
GI	none	Score	91
Exons	7626..7733, 7636..7725, 7735..7821, 7737..7829, 7746..7829		
Seq. No.	39224	Seq. ID	OJ000308_24.0403.C4
Gene No.	80885	Strand	-
Start	12282	End	12725
Name	OJ000308_24.0403.C4.o3.gs	Method	GENSCAN
Start	12282	End	12725
GI	none	Score	.5
Exons	12282..12419, 12690..12725		
Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80886	Strand	+
Start	1	End	1623
Name	OJ000308_24.0403.C6.o1.np	Method	AAT/NAP
Start	1	End	1600
GI	6693034	Score	239
Exons	1..85, 171..312, 857..1039, 1491..1600		
GI Descrip.	(AC012375) T22C5.17 [Arabidopsis thaliana]		
Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80886	Strand	+
Start	1	End	1623
Name	OJ000308_24.0403.C6.o1.gs	Method	GENSCAN
Start	171	End	1623
GI	none	Score	.77
Exons	171..317, 682..753, 841..1072, 1574..1623		
Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80887	Strand	+
Start	15124	End	21235
Name	OJ000308_24.0403.C6.o3.gs	Method	GENSCAN
Start	15124	End	21235
GI	none	Score	.59
Exons	15124..15197, 15538..15692, 16539..16605, 18254..18544, 18588..18699, 18789..18881, 19012..19176, 19339..19505, 19540..19635, 19716..20310, 20405..21235		
Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80888	Strand	-
Start	2328	End	12330
Name	OJ000308_24.0403.C6.o1.gp	Method	AAT/GAP
Start	2038	End	4579
GI	4620_1.R1084	Score	1884
Exons	2038..2397, 2789..2860, 2953..3024, 3377..3520, 3619..3690,		

4217..4579
GI Descrip. '3860323|emb|CAA10129| 9.0e-15 (AJ012688) hypothetical protein
[Cicer arietinum]'

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80888	Strand	-
Start	2328	End	12330
Name	OJ000308_24.0403.C6.o2.gs	Method	GENSCAN
Start	2328	End	12330
GI	none	Score	.45
Exons	2328..2397, 2953..3024, 3377..3520, 4072..4173, 4217..4540, 4701..4852, 7818..7916, 8286..8320, 10719..11097, 11149..11332, 11940..12048, 12129..12330		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80888	Strand	-
Start	2328	End	12330
Name	OJ000308_24.0403.C6.o2.np	Method	AAT/NAP
Start	2331	End	4425
GI	6498429	Score	637
Exons	2331..2397, 2789..2860, 2953..3024, 3377..3520, 3619..3690, 4217..4425		

GI Descrip. (AP000815) ESTs C97644(C60871),AU081265(C60871) correspond to a
region of the predicted gene.; Similar to L.esculentum LRP gene.
(X95269) [Oryza sativa]

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o3.tm	Method	TBLASTX:Maize
Start	28	End	320
GI	none	Score	75
Exons	28..84, 29..85, 162..320, 171..317		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	2328	End	4362
GI	none	Score	70
Exons	2328..2387, 2332..2385, 2785..2871, 2798..2860, 2940..3047, 2980..3024, 3370..3531, 3376..3519, 3380..3520, 3385..3558, 3404..3529, 3412..3516, 3618..3689, 3619..3690, 4240..4362, 4241..4360		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o1.tc	Method	TBLASTX:Cress
Start	2331	End	4362
GI	none	Score	73
Exons	2331..2399, 2785..2871, 2952..3023, 3364..3531, 3376..3519, 3379..3519, 3385..3519, 3407..3532, 3412..3549, 3618..3689, 3619..3696, 4232..4354, 4240..4362		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-

Start	17570	End	18637
Name	OJ000308_24.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	2833	End	3699
GI	none	Score	50
Exons	2833..2871, 2834..2869, 2931..3020, 2953..3027, 2958..3023, 3375..3518, 3376..3519, 3377..3535, 3382..3531, 3385..3522, 3395..3505, 3615..3698, 3618..3698, 3619..3699		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	2834	End	4362
GI	none	Score	42
Exons	2834..2869, 2836..2871, 2937..3020, 2952..3047, 2953..3027, 3376..3519, 3376..3519, 3377..3520, 3382..3549, 3385..3519, 3615..3689, 3618..3689, 3619..3690, 4231..4362, 4232..4360		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o4.tm	Method	TBLASTX:Maize
Start	4238	End	4362
GI	none	Score	168
Exons	4238..4360, 4240..4362		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	17285	End	17692
GI	none	Score	88
Exons	17285..17431, 17380..17439, 17380..17430, 17385..17438, 17564..17692, 17565..17687		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o2.tc	Method	TBLASTX:Cress
Start	17557	End	17692
GI	none	Score	160
Exons	17557..17688, 17567..17692, 17568..17687		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o2.ts	Method	TBLASTX:Soybean
Start	17560	End	17692
GI	none	Score	162
Exons	17560..17688, 17567..17692, 17568..17687, 17620..17688		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o2.tw	Method	TBLASTX:Wheat
Start	17565	End	17692
GI	none	Score	173

Exons 17565..17687, 17567..17692

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o3.np	Method	AAT/NAP
Start	17570	End	18634
GI	3169182	Score	194
Exons	17570..17700, 18532..18634		
GI Descrip.	(AC004401) unknown protein [Arabidopsis thaliana]		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o2.gp	Method	AAT/GAP
Start	17615	End	17703
GI	1036979	Score	105
Exons	17615..17703		
GI Descrip.	3860323/emb CAA10129 9.0e-15 (AJ012688) hypothetical protein [Cicer arietinum]		

Seq. No.	39225	Seq. ID	OJ000308_24.0403.C6
Gene No.	80889	Strand	-
Start	17570	End	18637
Name	OJ000308_24.0403.C6.o3.gp	Method	AAT/GAP
Start	18108	End	18637
GI	28928_1.R1084	Score	968
Exons	18108..18637		
GI Descrip.	'3860323/emb CAA10129 6.0e-10 (AJ012688) hypothetical protein [Cicer arietinum]'		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o1.gs	Method	GENSCAN
Start	904	End	3685
GI	none	Score	.73
Exons	904..2399, 2724..3257, 3289..3685		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o1.np	Method	AAT/NAP
Start	907	End	4958
GI	7489805	Score	2247
Exons	907..3616, 4935..4958		
GI Descrip.	polyprotein - maize retrotransposon Cinfu1-1 gi 4206306 gb AAD11615.1 (AF049110) prpol [Zea mays]		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o6.tw	Method	TBLASTX:Wheat
Start	916	End	1512
GI	none	Score	102
Exons	916..1041, 1234..1365, 1393..1512		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o5.tm	Method	TBLASTX:Maize
Start	958	End	1218
GI	none	Score	84
Exons	958..1218, 983..1150		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o4.tm	Method	TBLASTX:Maize
Start	1225	End	1467
GI	none	Score	204
Exons	1225..1467		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	1483	End	1857
GI	none	Score	59
Exons	1483..1701, 1490..1675, 1714..1857		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	1498	End	1860
GI	none	Score	241
Exons	1498..1860, 1499..1768		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o2.tw	Method	TBLASTX:Wheat
Start	1630	End	2019
GI	none	Score	59
Exons	1630..2019, 1639..1770, 1808..1975		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o3.tm	Method	TBLASTX:Maize
Start	1860	End	2127
GI	none	Score	73
Exons	1860..2075, 1861..2127, 1862..2020		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o3.tw	Method	TBLASTX:Wheat
Start	2257	End	2664
GI	none	Score	107
Exons	2257..2664, 2282..2647		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
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Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o4.tw	Method	TBLASTX:Wheat
Start	2680	End	2925
GI	none	Score	84
Exons	2680..2925, 2693..2905		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	2986	End	3367
GI	none	Score	64
Exons	2986..3303, 3176..3304, 3296..3367		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o5.tw	Method	TBLASTX:Wheat
Start	2995	End	3210
GI	none	Score	57
Exons	2995..3210, 3013..3180, 3101..3205		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	3088	End	3469
GI	none	Score	103
Exons	3088..3303, 3101..3298, 3291..3446, 3293..3469, 3307..3447, 3341..3466		

Seq. No.	39226	Seq. ID	OJ000308_24.0403.C7
Gene No.	80890	Strand	-
Start	904	End	4958
Name	OJ000308_24.0403.C7.o1.tw	Method	TBLASTX:Wheat
Start	3211	End	3617
GI	none	Score	152
Exons	3211..3303, 3296..3616, 3297..3617, 3459..3617		

Seq. No.	39227	Seq. ID	OJ000308_24.0403.C8
Gene No.	80891	Strand	-
Start	1	End	2683
Name	OJ000308_24.0403.C8.o1.np	Method	AAT/NAP
Start	1	End	2092
GI	7485123	Score	567
Exons	1..106, 244..336, 404..535, 607..707, 882..987, 1080..1184, 1566..1620, 1806..1891, 2057..2092		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi 2244913 emb CAB10335.1 (Z97339) SEN1 like protein [Arabidopsis thaliana] gi 7268305 emb CAB78599.1 (AL161542) SEN1 like protein [Arabidopsis thaliana]		

Seq. No.	39227	Seq. ID	OJ000308_24.0403.C8
Gene No.	80891	Strand	-
Start	1	End	2683
Name	OJ000308_24.0403.C8.o1.gs	Method	GENSCAN

Start	244	End	2683
GI	none	Score	.81
Exons	244...336, 431...535, 610...707, 882...987, 1080...1202, 2057...2092, 2184...2312, 2486...2683		

Seq. No.	39227	Seq. ID	OJ000308_24.0403.C8
Gene No.	80891	Strand	-
Start	1	End	2683
Name	OJ000308_24.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	254	End	727
GI	none	Score	117
Exons	254...337, 254...334, 429...530, 432...533, 604...720, 611...727		

Seq. No.	39227	Seq. ID	OJ000308_24.0403.C8
Gene No.	80891	Strand	-
Start	1	End	2683
Name	OJ000308_24.0403.C8.o2.tm	Method	TBLASTX:Maize
Start	934	End	1885
GI	none	Score	48
Exons	934...987, 934...987, 939...992, 1080...1190, 1081...1191, 1100...1195, 1569...1631, 1570...1623, 1805...1885, 1806...1883		

Seq. No.	39228	Seq. ID	OJ000308_24.0403.C9
Gene No.	80892	Strand	-
Start	79	End	934
Name	OJ000308_24.0403.C9.o1.gs	Method	GENSCAN
Start	79	End	934
GI	none	Score	.91
Exons	79...308, 877...934		

Seq. No.	39229	Seq. ID	OJ000308_26.0403.C4
Gene No.	80893	Strand	+
Start	716	End	978
Name	OJ000308_26.0403.C4.o1.gs	Method	GENSCAN
Start	716	End	978
GI	none	Score	.7
Exons	716...978		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80894	Strand	+
Start	347	End	3901
Name	OJ000308_26.0403.C7.o1.gs	Method	GENSCAN
Start	347	End	3625
GI	none	Score	.85
Exons	347...449, 1304...2037, 2969...3625		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80894	Strand	+
Start	347	End	3901
Name	OJ000308_26.0403.C7.o1.gp	Method	AAT/GAP
Start	1240	End	1597
GI	none	Score	668
Exons	1240...1597		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80894	Strand	+
Start	347	End	3901

Name	OJ000308_26.0403.C7.o1.np	Method	AAT/NAP
Start	1351	End	3484
GI	7489337	Score	641
Exons	1351..2037, 2669..2835, 2969..3484		
GI Descrip.	leucine-rich protein - common sunflower gi 1871526 emb CAA57523.1 (X81997) leucine-rich-repeat protein [Helianthus annuus]		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80894	Strand	+
Start	347	End	3901
Name	OJ000308_26.0403.C7.o2.gp	Method	AAT/GAP
Start	3471	End	3901
GI	3761655	Score	759
Exons	3471..3901		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80895	Strand	+
Start	12064	End	12161
Name	OJ000308_26.0403.C7.o3.np	Method	AAT/NAP
Start	12064	End	12161
GI	5777617	Score	100
Exons	12064..12161		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80896	Strand	-
Start	4243	End	9969
Name	OJ000308_26.0403.C7.o3.gp	Method	AAT/GAP
Start	4243	End	7280
GI	10968_1.R1084	Score	4541
Exons	4243..4686, 4786..5385, 5482..5631, 5791..6018, 6191..6305, 6395..7280		
GI Descrip.	'4220521/emb CAA22994 1.0e-72 (AL035356) putative protein [Arabidopsis thaliana]'		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80896	Strand	-
Start	4243	End	9969
Name	OJ000308_26.0403.C7.o2.gs	Method	GENSCAN
Start	4582	End	9695
GI	none	Score	.65
Exons	4582..4686, 4786..5385, 5482..5631, 5791..6018, 6191..6342, 6395..6457, 6882..7662, 9624..9695		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80896	Strand	-
Start	4243	End	9969
Name	OJ000308_26.0403.C7.o2.np	Method	AAT/NAP
Start	4588	End	7695
GI	7452446	Score	796
Exons	4588..4686, 4786..4952, 5100..5631, 5791..6058, 6187..6305, 6395..6594, 6948..7695		
GI Descrip.	hypothetical protein F22K18.110 - Arabidopsis thaliana gi 4220521 emb CAA22994.1 (AL035356) putative protein [Arabidopsis thaliana] gi 7269320 emb CAB79379.1 (AL161562) putative protein [Arabidopsis thaliana]		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80896	Strand	-
Start	4243	End	9969
Name	OJ000308_26.0403.C7.o4.gp	Method	AAT/GAP
Start	7273	End	9969
GI	31172_1.R1084	Score	1405
Exons	7273..7662, 9624..9969		
GI Descrip.	'2129698/pir S61766 1.0e-11 protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana >gi_1054633_emb_CAA63387_ (X92728) protein kinase [Arabidopsis thaliana]'		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	1924	End	3528
GI	none	Score	139
Exons	1924..2043, 2648..2824, 2663..2809, 2674..2805, 2702..2824, 2801..2836, 2812..2835, 2955..3071, 3071..3358, 3071..3169, 3073..3156, 3218..3313, 3229..3528		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	2732	End	3358
GI	none	Score	71
Exons	2732..2830, 3122..3358		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	4514	End	7347
GI	none	Score	44
Exons	4514..4537, 4551..4628, 4567..4686, 4571..4633, 4571..4687, 4572..4688, 4786..4941, 4786..4914, 4805..4939, 5083..5196, 5230..5361, 5234..5362, 5344..5397, 5345..5386, 5451..5549, 5470..5634, 5479..5637, 5788..6006, 5792..6007, 5792..6007, 5793..6011, 6197..6322, 6198..6311, 6389..6553, 6400..6552, 6407..6586, 6417..6569, 6417..6596, 6624..6695, 6638..6694, 6803..6874, 6814..6891, 6816..6875, 6879..6920, 6904..7005, 7051..7164, 7053..7151, 7087..7293, 7162..7287, 7190..7291, 7294..7347		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	4591	End	5956
GI	none	Score	151
Exons	4591..4686, 4786..4914, 4787..4915, 5470..5634, 5479..5637, 5788..5934, 5817..5936, 5819..5956, 5819..5956		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-

Start	10466	End	11494
Name	OJ000308_26.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	4825	End	6469
GI	none	Score	88
Exons	4825..4953, 4825..4914, 4826..4954, 5266..5343, 5457..5549, 5471..5629, 5479..5634, 5479..5637, 5788..5997, 5789..5974, 6227..6343, 6389..6469, 6397..6465		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o3.tm	Method	TBLASTX:Maize
Start	7414	End	7668
GI	none	Score	158
Exons	7414..7470, 7421..7663, 7522..7668, 7525..7668		

Seq. No.	39230	Seq. ID	OJ000308_26.0403.C7
Gene No.	80897	Strand	-
Start	10466	End	11494
Name	OJ000308_26.0403.C7.o3.gs	Method	GENSCAN
Start	10466	End	11494
GI	none	Score	.87
Exons	10466..10637, 11430..11494		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80898	Strand	+
Start	1	End	4894
Name	OJ000308_26.0403.C8.o2.np	Method	AAT/NAP
Start	1	End	4894
GI	2662099	Score	269
Exons	1..166, 1379..1491, 2308..2422, 2529..2623, 3357..3463, 3547..3661, 4664..4706, 4826..4894		
GI Descrip.	(AB007869) KIAA0409 [Homo sapiens]		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80898	Strand	+
Start	1	End	4894
Name	OJ000308_26.0403.C8.o1.gs	Method	GENSCAN
Start	605	End	3766
GI	none	Score	.79
Exons	605..875, 1379..1439, 1904..1955, 2308..2422, 2529..2623, 3357..3463, 3547..3766		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80899	Strand	-
Start	351	End	457
Name	OJ000308_26.0403.C8.o1.np	Method	AAT/NAP
Start	351	End	457
GI	5777617	Score	75
Exons	351..457		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80900	Strand	-
Start	4444	End	5638
Name	OJ000308_26.0403.C8.o1.tc	Method	TBLASTX:Cress
Start	2323	End	3463

GI	none	Score	134
Exons	2323..2424, 2328..2423, 2524..2613, 2528..2623, 2532..2615, 3353..3463, 3366..3461, 3368..3463		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80900	Strand	-
Start	4444	End	5638
Name	OJ000308_26.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	2516	End	4915
GI	none	Score	128
Exons	2516..2662, 2552..2665, 3356..3463, 3366..3461, 3540..3668, 3545..3661, 4653..4709, 4656..4709, 4663..4713, 4826..4915, 4826..4912		

Seq. No.	39231	Seq. ID	OJ000308_26.0403.C8
Gene No.	80900	Strand	-
Start	4444	End	5638
Name	OJ000308_26.0403.C8.o2.gs	Method	GENSCAN
Start	4444	End	5638
GI	none	Score	.54
Exons	4444..4601, 5198..5638		

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.ts	Method	TBLASTX:Soybean
Start	193	End	2542
GI	none	Score	175
Exons	193..342, 215..349, 216..347, 437..571, 438..575, 662..880, 664..870, 665..886, 2443..2505, 2451..2513, 2456..2542		

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.tc	Method	TBLASTX:Cress
Start	215	End	2739
GI	none	Score	176
Exons	215..349, 216..347, 287..349, 437..574, 438..575, 662..880, 664..864, 2414..2569, 2443..2589, 2451..2579, 2643..2735, 2650..2739		

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.gs	Method	GENSCAN
Start	216	End	2577
GI	none	Score	.73
Exons	216..346, 443..533, 671..866, 2453..2577		

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.np	Method	AAT/NAP
Start	216	End	2739
GI	2129698	Score	818
Exons	216..346, 443..575, 671..866, 2453..2577, 2656..2739		
GI Descrip.	protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana		

gi|1054633|emb|CAA63387| (X92728) protein kinase [Arabidopsis thaliana]

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.tw	Method	TBLASTX:Wheat
Start	248	End	811
GI	none	Score	108
Exons	248..349, 249..347, 434..574, 438..575, 662..811		

Seq. No.	39232	Seq. ID	OJ000308_26.0403.C10
Gene No.	80901	Strand	+
Start	216	End	2739
Name	OJ000308_26.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	308	End	2739
GI	none	Score	69
Exons	308..349, 309..347, 437..670, 438..575, 662..880, 664..864, 665..871, 2432..2575, 2443..2589, 2451..2588, 2649..2738, 2650..2739, 2650..2736		

Seq. No.	39233	Seq. ID	OJ000308_26.0403.C12
Gene No.	80902	Strand	+
Start	1243	End	1823
Name	OJ000308_26.0403.C12.o1.gs	Method	GENSCAN
Start	1243	End	1823
GI	none	Score	.75
Exons	1243..1334, 1638..1823		

Seq. No.	39233	Seq. ID	OJ000308_26.0403.C12
Gene No.	80902	Strand	+
Start	1243	End	1823
Name	OJ000308_26.0403.C12.o1.np	Method	AAT/NAP
Start	1564	End	1803
GI	6539588	Score	116
Exons	1564..1803		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	39234	Seq. ID	OJ000308_26.0403.C13
Gene No.	80903	Strand	-
Start	2373	End	2548
Name	OJ000308_26.0403.C13.o2.gs	Method	GENSCAN
Start	2373	End	2548
GI	none	Score	.97
Exons	2373..2548		

Seq. No.	39235	Seq. ID	OJ000308_26.0403.C14
Gene No.	80904	Strand	-
Start	316	End	854
Name	OJ000308_26.0403.C14.o1.gs	Method	GENSCAN
Start	316	End	854
GI	none	Score	.53
Exons	316..854		

Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80905	Strand	+
Start	692	End	953

Name	OJ000308_26.0403.C15.o1.gs	Method	GENSCAN
Start	692	End	953
GI	none	Score	.45
Exons	692..811, 924..953		
Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80906	Strand	+
Start	10842	End	11954
Name	OJ000308_26.0403.C15.o4.gs	Method	GENSCAN
Start	10842	End	11954
GI	none	Score	.92
Exons	10842..11033, 11128..11394, 11406..11954		
Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80907	Strand	+
Start	14328	End	14999
Name	OJ000308_26.0403.C15.o5.gs	Method	GENSCAN
Start	14328	End	14999
GI	none	Score	.99
Exons	14328..14999		
Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80907	Strand	+
Start	14328	End	14999
Name	OJ000308_26.0403.C15.o2.np	Method	AAT/NAP
Start	14463	End	14860
GI	5734617	Score	464
Exons	14463..14860		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		
Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80908	Strand	-
Start	2021	End	6005
Name	OJ000308_26.0403.C15.o2.gs	Method	GENSCAN
Start	2021	End	6005
GI	none	Score	.93
Exons	2021..2590, 2721..3983, 4170..4239, 5881..6005		
Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80908	Strand	-
Start	2021	End	6005
Name	OJ000308_26.0403.C15.o1.np	Method	AAT/NAP
Start	2024	End	4455
GI	6553905	Score	1188
Exons	2024..2167, 2198..2590, 2721..3338, 3366..3983, 4170..4235, 4393..4455		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		
Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80908	Strand	-
Start	2021	End	6005
Name	OJ000308_26.0403.C15.o1.gp	Method	AAT/GAP
Start	2107	End	2486
GI	none	Score	736
Exons	2107..2486		
Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15

Gene No. 80909
 Start 9450
 Name OJ000308_26.0403.C15.o3.gs
 Start 9450
 GI none
 Exons 9450..9978, 10112..10131

Strand -
 End 10131
 Method GENSCAN
 End 10131
 Score .77

Seq. No. 39236
 Gene No. 80910
 Start 23307
 Name OJ000308_26.0403.C15.o1.tc
 Start 2447
 GI none
 Exons 2447..2587, 2697..2879

Seq. ID OJ000308_26.0403.C15
 Strand -
 End 23559
 Method TBLASTX:Cress
 End 2879
 Score 133

Seq. No. 39236
 Gene No. 80910
 Start 23307
 Name OJ000308_26.0403.C15.o1.ts
 Start 2447
 GI none
 Exons 2447..2587, 2706..2879

Seq. ID OJ000308_26.0403.C15
 Strand -
 End 23559
 Method TBLASTX:Soybean
 End 2879
 Score 145

Seq. No. 39236
 Gene No. 80910
 Start 23307
 Name OJ000308_26.0403.C15.o2.tm
 Start 2447
 GI none
 Exons 2447..2587, 2493..2588, 2703..2888

Seq. ID OJ000308_26.0403.C15
 Strand -
 End 23559
 Method TBLASTX:Maize
 End 2888
 Score 83

Seq. No. 39236
 Gene No. 80910
 Start 23307
 Name OJ000308_26.0403.C15.o1.tm
 Start 2926
 GI none
 Exons 2926..2970, 3048..3116, 3049..3186, 3052..3309, 3120..3308, 3390..3455, 3391..3456

Seq. ID OJ000308_26.0403.C15
 Strand -
 End 23559
 Method TBLASTX:Maize
 End 3456
 Score 47

Seq. No. 39236
 Gene No. 80910
 Start 23307
 Name OJ000308_26.0403.C15.o3.ts
 Start 3090
 GI none
 Exons 3090..3314, 3121..3300, 3405..3536, 3418..3573

Seq. ID OJ000308_26.0403.C15
 Strand -
 End 23559
 Method TBLASTX:Soybean
 End 3573
 Score 110

Seq. No. 39236
 Gene No. 80910
 Start 23307
 Name OJ000308_26.0403.C15.o2.ts
 Start 3621
 GI none
 Exons 3621..3911, 3781..3912, 4405..4467

Seq. ID OJ000308_26.0403.C15
 Strand -
 End 23559
 Method TBLASTX:Soybean
 End 4467
 Score 103

Seq. No. 39236

Seq. ID OJ000308_26.0403.C15

Gene No.	80910	Strand	-
Start	23307	End	23559
Name	OJ000308_26.0403.C15.o3.tm	Method	TBLASTX:Maize
Start	3621	End	3918
GI	none	Score	95
Exons	3621..3917, 3643..3918		
Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80910	Strand	-
Start	23307	End	23559
Name	OJ000308_26.0403.C15.o1.tw	Method	TBLASTX:Wheat
Start	3624	End	3918
GI	none	Score	145
Exons	3624..3917, 3643..3918		
Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80910	Strand	-
Start	23307	End	23559
Name	OJ000308_26.0403.C15.o2.tc	Method	TBLASTX:Cress
Start	3669	End	4456
GI	none	Score	102
Exons	3669..3731, 3753..3929, 3772..3897, 4375..4455, 4382..4456		
Seq. No.	39236	Seq. ID	OJ000308_26.0403.C15
Gene No.	80910	Strand	-
Start	23307	End	23559
Name	OJ000308_26.0403.C15.o7.gs	Method	GENSCAN
Start	23307	End	23559
GI	none	Score	.41
Exons	23307..23559		
Seq. No.	39237	Seq. ID	OJ000308_26.0403.C16
Gene No.	80911	Strand	-
Start	70	End	4381
Name	OJ000308_26.0403.C16.o1.gs	Method	GENSCAN
Start	70	End	4336
GI	none	Score	.74
Exons	70..212, 1801..1972, 2187..2357, 3579..3595, 4114..4336		
Seq. No.	39237	Seq. ID	OJ000308_26.0403.C16
Gene No.	80911	Strand	-
Start	70	End	4381
Name	OJ000308_26.0403.C16.o1.np	Method	AAT/NAP
Start	1919	End	4381
GI	5042454	Score	175
Exons	1919..1979, 2318..2483, 4306..4381		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80914	Strand	+
Start	80	End	6505
Name	OJ000308_26.0403.C18.o1.gs	Method	GENSCAN
Start	80	End	6505
GI	none	Score	.54
Exons	80..122, 599..719, 1643..3614, 3624..4037, 4142..5020, 5065..5295, 5311..6071, 6232..6505		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80914	Strand	+
Start	80	End	6505
Name	OJ000308_26.0403.C18.o1.np	Method	AAT/NAP
Start	1674	End	6502
GI	5295971	Score	5372
Exons	1674..2092, 2148..6084, 6110..6502		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80915	Strand	+
Start	8256	End	8637
Name	OJ000308_26.0403.C18.o1.gp	Method	AAT/GAP
Start	8256	End	8637
GI	286806	Score	731
Exons	8256..8637		
GI Descrip.	5441872/dbj AP000366.1 AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80916	Strand	+
Start	8727	End	9194
Name	OJ000308_26.0403.C18.o2.gp	Method	AAT/GAP
Start	8727	End	9194
GI	3760921	Score	893
Exons	8727..9194		
GI Descrip.	5230728/gb AAD40979.1 AF089851_1 9.0e-27 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o4.tc	Method	TBLASTX:Cress
Start	194	End	568
GI	none	Score	217
Exons	194..301, 195..458, 196..384, 478..567, 482..568		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o1.tm	Method	TBLASTX:Maize
Start	195	End	7470
GI	none	Score	248
Exons	195..401, 196..384, 217..405, 476..718, 478..714, 585..728, 6823..7041, 6824..7042, 6825..7046, 7128..7460, 7135..7470, 7138..7422, 7145..7468		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o1.ts	Method	TBLASTX:Soybean
Start	195	End	9064
GI	none	Score	235
Exons	195..401, 196..384, 471..641, 476..718, 478..714, 6785..7042, 6825..7055, 6895..7041, 7135..7491, 7138..7476, 7145..7504,		

7818..7865, 7824..7862, 7852..7938, 7860..7937, 8565..8870,
8566..8871, 8566..8871, 8950..9063, 8951..9064

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o4.tw	Method	TBLASTX:Wheat
Start	208	End	523
GI	none	Score	260
Exons	208..384, 210..401, 217..405, 470..523, 478..519		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o2.tc	Method	TBLASTX:Cress
Start	613	End	7210
GI	none	Score	122
Exons	613..714, 614..718, 614..715, 6793..7041, 6825..7046, 6826..7041, 6834..7043, 7135..7209, 7138..7197, 7145..7210		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o8.tm	Method	TBLASTX:Maize
Start	2159	End	2435
GI	none	Score	68
Exons	2159..2224, 2173..2223, 2273..2359, 2274..2435		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o4.tm	Method	TBLASTX:Maize
Start	2669	End	3377
GI	none	Score	233
Exons	2669..2902, 2670..2909, 2970..3089, 3029..3076, 3090..3137, 3115..3162, 3176..3370, 3177..3377		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o3.tw	Method	TBLASTX:Wheat
Start	3302	End	3755
GI	none	Score	324
Exons	3302..3529, 3303..3668, 3675..3755		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o7.tm	Method	TBLASTX:Maize
Start	3392	End	3635
GI	none	Score	293
Exons	3392..3631, 3393..3632, 3426..3635, 3427..3633		

Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o5.ts	Method	TBLASTX:Soybean

Start 3693
GI none
Exons 3693..4019, 3789..3869

End 4019
Score 210

Seq. No. 39238
Gene No. 80917
Start 7105
Name OJ000308_26.0403.C18.o5.tw
Start 3828
GI none
Exons 3828..4091, 4127..4291, 4298..4378

Seq. ID OJ000308_26.0403.C18
Strand -
End 9853
Method TBLASTX:Wheat
End 4378
Score 173

Seq. No. 39238
Gene No. 80917
Start 7105
Name OJ000308_26.0403.C18.o2.tm
Start 4031
GI none
Exons 4031..4105, 4035..4106, 4047..4112, 4106..4456, 4111..4455

Seq. ID OJ000308_26.0403.C18
Strand -
End 9853
Method TBLASTX:Maize
End 4456
Score 106

Seq. No. 39238
Gene No. 80917
Start 7105
Name OJ000308_26.0403.C18.o3.ts
Start 4062
GI none
Exons 4062..4106, 4106..4369, 4111..4356, 4372..4551, 4394..4540

Seq. ID OJ000308_26.0403.C18
Strand -
End 9853
Method TBLASTX:Soybean
End 4551
Score 51

Seq. No. 39238
Gene No. 80917
Start 7105
Name OJ000308_26.0403.C18.o5.tc
Start 4106
GI none
Exons 4106..4372, 4117..4158, 4228..4362, 4394..4516

Seq. ID OJ000308_26.0403.C18
Strand -
End 9853
Method TBLASTX:Cress
End 4516
Score 209

Seq. No. 39238
Gene No. 80917
Start 7105
Name OJ000308_26.0403.C18.o2.ts
Start 4928
GI 5509260
Exons 4928..5026, 5035..5424, 5250..5336
GI Descrip. -

Seq. ID OJ000308_26.0403.C18
Strand -
End 9853
Method TBLASTX:Soybean
End 5424
Score 74

Seq. No. 39238
Gene No. 80917
Start 7105
Name OJ000308_26.0403.C18.o6.tm
Start 4958
GI none
Exons 4958..5026, 5029..5274, 5044..5262, 5178..5273

Seq. ID OJ000308_26.0403.C18
Strand -
End 9853
Method TBLASTX:Maize
End 5274
Score 73

Seq. No. 39238
Gene No. 80917
Start 7105
Name OJ000308_26.0403.C18.o6.tc
Method TBLASTX:Cress

Seq. ID OJ000308_26.0403.C18
Strand -
End 9853

Start	5050	End	5313
GI	none	Score	242
Exons	5050..5313		
Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o2.tw	Method	TBLASTX:Wheat
Start	5095	End	5649
GI	none	Score	313
Exons	5095..5439, 5250..5438, 5425..5649		
Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o3.tm	Method	TBLASTX:Maize
Start	5476	End	5867
GI	none	Score	546
Exons	5476..5865, 5476..5535, 5478..5867		
Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o4.ts	Method	TBLASTX:Soybean
Start	5575	End	5964
GI	none	Score	304
Exons	5575..5964, 5709..5954		
Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o6.tw	Method	TBLASTX:Wheat
Start	5659	End	5961
GI	none	Score	51
Exons	5659..5757, 5782..5961, 5791..5871, 5907..5960		
Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o3.tc	Method	TBLASTX:Cress
Start	5781	End	6472
GI	none	Score	231
Exons	5781..5960, 5782..6072, 5791..6048, 6110..6199, 6251..6472, 6271..6465		
Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o5.tm	Method	TBLASTX:Maize
Start	6055	End	6468
GI	none	Score	44
Exons	6055..6081, 6057..6113, 6059..6100, 6099..6389, 6110..6466, 6131..6388, 6142..6468		
Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853

Name	OJ000308_26.0403.C18.o6.ts	Method	TBLASTX:Soybean
Start	6110	End	6346
GI	none	Score	201
Exons	6110..6346, 6142..6342		
Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o1.tw	Method	TBLASTX:Wheat
Start	6939	End	7422
GI	none	Score	101
Exons	6939..7046, 6940..7041, 7135..7422, 7145..7420		
Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o2.gs	Method	GENSCAN
Start	7105	End	9853
GI	none	Score	.49
Exons	7105..7474, 7825..7937, 8953..9062, 9739..9853		
Seq. No.	39238	Seq. ID	OJ000308_26.0403.C18
Gene No.	80917	Strand	-
Start	7105	End	9853
Name	OJ000308_26.0403.C18.o1.tc	Method	TBLASTX:Cress
Start	8577	End	9064
GI	none	Score	185
Exons	8577..8873, 8577..8870, 8579..8872, 8950..9063, 8951..9064		
Seq. No.	39239	Seq. ID	OJ000308_26.0403.C19
Gene No.	80918	Strand	-
Start	1795	End	2121
Name	OJ000308_26.0403.C19.o1.gp	Method	AAT/GAP
Start	381	End	481
GI	90742_1.R1084	Score	103
Exons	381..481		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	39239	Seq. ID	OJ000308_26.0403.C19
Gene No.	80918	Strand	-
Start	1795	End	2121
Name	OJ000308_26.0403.C19.o1.gs	Method	GENSCAN
Start	1795	End	2121
GI	none	Score	.49
Exons	1795..2121		
Seq. No.	39240	Seq. ID	OJ000308_26.0403.C20
Gene No.	80919	Strand	+
Start	1	End	1390
Name	OJ000308_26.0403.C20.o1.np	Method	AAT/NAP
Start	1	End	1390
GI	1402876	Score	479
Exons	1..599, 1314..1390		
GI Descrip.	(X98130) putative phosphate permease [Arabidopsis thaliana] gi 1495255 emb CAA66116.1 (X97484) orf01 [Arabidopsis thaliana]		

Seq. No.	39240	Seq. ID	OJ000308_26.0403.C20
Gene No.	80919	Strand	+
Start	1	End	1390
Name	OJ000308_26.0403.C20.ol.gs	Method	GENSCAN
Start	47	End	592
GI	none	Score	.63
Exons	47..592		

Seq. No.	39240	Seq. ID	OJ000308_26.0403.C20
Gene No.	80920	Strand	-
Start	326	End	595
Name	OJ000308_26.0403.C20.ol.tc	Method	TBLASTX:Cress
Start	179	End	595
GI	none	Score	457
Exons	179..595, 208..594		

Seq. No.	39240	Seq. ID	OJ000308_26.0403.C20
Gene No.	80920	Strand	-
Start	326	End	595
Name	OJ000308_26.0403.C20.ol.ts	Method	TBLASTX:Soybean
Start	179	End	505
GI	none	Score	315
Exons	179..472, 208..474, 473..505, 478..504		

Seq. No.	39240	Seq. ID	OJ000308_26.0403.C20
Gene No.	80920	Strand	-
Start	326	End	595
Name	OJ000308_26.0403.C20.ol.tm	Method	TBLASTX:Maize
Start	283	End	595
GI	none	Score	289
Exons	283..594, 283..594, 284..595		

Seq. No.	39240	Seq. ID	OJ000308_26.0403.C20
Gene No.	80920	Strand	-
Start	326	End	595
Name	OJ000308_26.0403.C20.ol.gp	Method	AAT/GAP
Start	326	End	594
GI	701304	Score	467
Exons	326..594		
GI Descrip.	1402876/emb CAA66826 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_(X97484) orf01 [Arabidopsis thaliana]		

Seq. No.	39241	Seq. ID	OJ000308_26.0403.C21
Gene No.	80921	Strand	+
Start	1	End	335
Name	OJ000308_26.0403.C21.ol.np	Method	AAT/NAP
Start	1	End	200
GI	1402876	Score	246
Exons	1..200		
GI Descrip.	(X98130) putative phosphate permease [Arabidopsis thaliana] gi 1495255 emb CAA66116.1 (X97484) orf01 [Arabidopsis thaliana]		

Seq. No.	39241	Seq. ID	OJ000308_26.0403.C21
Gene No.	80921	Strand	+
Start	1	End	335
Name	OJ000308_26.0403.C21.ol.tc	Method	TBLASTX:Cress

Start	11	End	212
GI	none	Score	272
Exons	11..211, 11..136, 12..212, 15..74		
Seq. No.	39241	Seq. ID	OJ000308_26.0403.C21
Gene No.	80921	Strand	+
Start	1	End	335
Name	OJ000308_26.0403.C21.o1.ts	Method	TBLASTX:Soybean
Start	11	End	169
GI	none	Score	222
Exons	11..169, 12..167, 43..168		
Seq. No.	39241	Seq. ID	OJ000308_26.0403.C21
Gene No.	80921	Strand	+
Start	1	End	335
Name	OJ000308_26.0403.C21.o1.tm	Method	TBLASTX:Maize
Start	51	End	335
GI	none	Score	257
Exons	51..335, 53..283		
Seq. No.	39242	Seq. ID	OJ000308_26.0403.C22
Gene No.	80922	Strand	+
Start	676	End	788
Name	OJ000308_26.0403.C22.o1.gs	Method	GENSCAN
Start	676	End	788
GI	none	Score	.98
Exons	676..788		
Seq. No.	39243	Seq. ID	OJ000308_26.0403.C23
Gene No.	80923	Strand	+
Start	47	End	118
Name	OJ000308_26.0403.C23.o1.gs	Method	GENSCAN
Start	47	End	118
GI	none	Score	.6
Exons	47..118		
Seq. No.	39244	Seq. ID	OJ000308_26.0403.C24
Gene No.	80924	Strand	+
Start	922	End	2092
Name	OJ000308_26.0403.C24.o1.gs	Method	GENSCAN
Start	922	End	2092
GI	none	Score	.81
Exons	922..1165, 1956..2092		
Seq. No.	39244	Seq. ID	OJ000308_26.0403.C24
Gene No.	80925	Strand	-
Start	2740	End	2996
Name	OJ000308_26.0403.C24.o2.gs	Method	GENSCAN
Start	2740	End	2996
GI	none	Score	.93
Exons	2740..2748, 2934..2996		
Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80926	Strand	+
Start	132	End	3073
Name	OJ000308_26.0403.C25.o1.gs	Method	GENSCAN
Start	132	End	3073

GI	none	Score	.72
Exons	132..512, 826..946, 2024..2054, 2120..2202, 2290..2524, 2941..3073		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80926	Strand	+
Start	132	End	3073
Name	OJ000308_26.0403.C25.o1.gp	Method	AAT/GAP
Start	2335	End	2670
GI	427916	Score	506
Exons	2335..2670		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80927	Strand	+
Start	2975	End	3723
Name	OJ000308_26.0403.C25.o2.gp	Method	AAT/GAP
Start	2975	End	3282
GI	3759000	Score	504
Exons	2975..3282		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80927	Strand	+
Start	2975	End	3723
Name	OJ000308_26.0403.C25.o3.gp	Method	AAT/GAP
Start	2976	End	3723
GI	20494_1.R1084	Score	1292
Exons	2976..3723		
GI Descrip.	'5230728/gb AAD40979.1 AF089851_1 9.0e-27 (AF089851) peroxisomal copper-containing amine oxidase [Glycine max]'		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80928	Strand	+
Start	4002	End	4620
Name	OJ000308_26.0403.C25.o4.gp	Method	AAT/GAP
Start	4002	End	4620
GI	20494_3.R1084	Score	1032
Exons	4002..4620		
GI Descrip.	'1402876/emb CAA66826 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_(X97484) orf01 [Arabidopsis thaliana]'		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80929	Strand	+
Start	5770	End	8380
Name	OJ000308_26.0403.C25.o2.gs	Method	GENSCAN
Start	5770	End	8380
GI	none	Score	.42
Exons	5770..5835, 6162..6296, 7958..8137, 8196..8380		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80930	Strand	-
Start	7856	End	8536
Name	OJ000308_26.0403.C25.o5.gp	Method	AAT/GAP
Start	7856	End	8525
GI	3763611	Score	1220
Exons	7856..8525		
GI Descrip.	2129698/pir S61766.1.0e-11 protein kinase ATN1 (EC 2.7.1.-) -		

Arabidopsis thaliana >gi_1054633_emb_CAA63387_ (X92728) protein kinase [Arabidopsis thaliana]

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80930	Strand	-
Start	7856	End	8536
Name	OJ000308_26.0403.C25.o1.tm	Method	TBLASTX:Maize
Start	8054	End	8536
GI	none	Score	226
Exons	8054..8095, 8173..8337, 8186..8347, 8187..8348, 8188..8352, 8306..8506, 8340..8510, 8351..8536		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80930	Strand	-
Start	7856	End	8536
Name	OJ000308_26.0403.C25.o1.ts	Method	TBLASTX:Soybean
Start	8189	End	8506
GI	none	Score	269
Exons	8189..8506, 8190..8504		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80930	Strand	-
Start	7856	End	8536
Name	OJ000308_26.0403.C25.o1.np	Method	AAT/NAP
Start	8201	End	8536
GI	2129698	Score	243
Exons	8201..8536		
GI Descrip.	protein kinase ATN1 (EC 2.7.1.-) - Arabidopsis thaliana gi 1054633 emb CAA63387 (X92728) protein kinase [Arabidopsis thaliana]		

Seq. No.	39245	Seq. ID	OJ000308_26.0403.C25
Gene No.	80930	Strand	-
Start	7856	End	8536
Name	OJ000308_26.0403.C25.o1.tc	Method	TBLASTX:Cress
Start	8270	End	8506
GI	none	Score	58
Exons	8270..8341, 8280..8330, 8345..8506, 8361..8504		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80931	Strand	+
Start	20678	End	20998
Name	OJ000308_11.0403.C1.o3.gp	Method	AAT/GAP
Start	20678	End	20998
GI	2798886	Score	415
Exons	20678..20998		
GI Descrip.	58067/emb X52325 ARBLSKP 7.0e-38 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80932	Strand	-
Start	1075	End	1845
Name	OJ000308_11.0403.C1.o1.gp	Method	AAT/GAP
Start	1075	End	1845
GI	4714864	Score	1226
Exons	1075..1482, 1607..1845		
GI Descrip.	3914470/sp Q40070 PSBR_HORVU 3.0e-16 PHOTOSYSTEM II 10 KD		

POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD
PSII protein [Hordeum vulgare]

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80933	Strand	-
Start	1848	End	2503
Name	OJ000308_11.0403.C1.o2.gp	Method	AAT/GAP
Start	1848	End	2503
GI	4714863	Score	1301
Exons	1848..2503		
GI Descrip.	1321867/emb X97771 HVPSII10K 5.0e-14 H.vulgare mRNA for PSII 10kD protein		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80934	Strand	-
Start	20648	End	20990
Name	OJ000308_11.0403.C1.o2.tc	Method	TBLASTX:Cress
Start	14151	End	14600
GI	none	Score	51
Exons	14151..14345, 14158..14346, 14385..14501, 14386..14445, 14511..14600		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80934	Strand	-
Start	20648	End	20990
Name	OJ000308_11.0403.C1.o1.ts	Method	TBLASTX:Soybean
Start	14178	End	14774
GI	none	Score	185
Exons	14178..14774, 14188..14586, 14647..14772		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80934	Strand	-
Start	20648	End	20990
Name	OJ000308_11.0403.C1.o1.tm	Method	TBLASTX:Maize
Start	14184	End	14608
GI	none	Score	98
Exons	14184..14471, 14230..14469, 14472..14600, 14473..14607, 14478..14606, 14489..14608		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80934	Strand	-
Start	20648	End	20990
Name	OJ000308_11.0403.C1.o1.tw	Method	TBLASTX:Wheat
Start	14538	End	14972
GI	none	Score	45
Exons	14538..14972, 14539..14625, 14656..14970		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80934	Strand	-
Start	20648	End	20990
Name	OJ000308_11.0403.C1.o2.tm	Method	TBLASTX:Maize
Start	14616	End	14861
GI	none	Score	116
Exons	14616..14861, 14647..14856		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80934	Strand	-

Start	20648	End	20990
Name	OJ000308_11.0403.C1.o4.tm	Method	TBLASTX:Maize
Start	14910	End	15242
GI	none	Score	64
Exons	14910..14972, 14917..15150, 15036..15242, 15181..15216		
Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80934	Strand	-
Start	20648	End	20990
Name	OJ000308_11.0403.C1.o3.ts	Method	TBLASTX:Soybean
Start	15054	End	15237
GI	none	Score	90
Exons	15054..15236, 15115..15237		
Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80934	Strand	-
Start	20648	End	20990
Name	OJ000308_11.0403.C1.o4.gp	Method	AAT/GAP
Start	20648	End	20990
GI	3764108	Score	426
Exons	20648..20990		
GI Descrip.	1170621/sp P46875 KATC ARATH 2.0e-20 KINESIN-LIKE PROTEIN C >gi_1084342_pir_S48020 kinesin-related protein katC - Arabidopsis thaliana >gi_1438844_dbj_BAA04674_ (D21138) heavy chain polypeptide of kinesin-like protein [Arabidopsis thaliana]		
Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80935	Strand	
Start	22651	End	23361
Name	OJ000308_11.0403.C1.o3.tw	Method	TBLASTX:Wheat
Start	22651	End	23096
GI	none	Score	207
Exons	22651..22944, 22707..22961, 22992..23096		
Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80935	Strand	
Start	22651	End	23361
Name	OJ000308_11.0403.C1.o2.ts	Method	TBLASTX:Soybean
Start	22819	End	23250
GI	none	Score	98
Exons	22819..22983, 22824..22946, 23010..23249, 23011..23250		
Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80935	Strand	
Start	22651	End	23361
Name	OJ000308_11.0403.C1.o1.tc	Method	TBLASTX:Cress
Start	22978	End	23331
GI	none	Score	274
Exons	22978..23331		
Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80935	Strand	
Start	22651	End	23361
Name	OJ000308_11.0403.C1.o3.tm	Method	TBLASTX:Maize
Start	23073	End	23310
GI	none	Score	77
Exons	23073..23294, 23100..23285, 23104..23310, 23104..23310		

Seq. No.	39246	Seq. ID	OJ000308_11.0403.C1
Gene No.	80935	Strand	
Start	22651	End	23361
Name	OJ000308_11.0403.C1.o2.tw	Method	TBLASTX:Wheat
Start	23103	End	23361
GI	none	Score	286
Exons	23103..23351, 23104..23361		

Seq. No.	39247	Seq. ID	OJ000308_11.0403.C2
Gene No.	80936	Strand	
Start	2750	End	3111
Name	OJ000308_11.0403.C2.o1.tm	Method	TBLASTX:Maize
Start	2750	End	3111
GI	none	Score	49
Exons	2750..2875, 2796..2822, 2798..2893, 2848..2895, 2906..3094, 2994..3098, 3013..3111		

Seq. No.	39248	Seq. ID	OJ000308_11.0403.C3
Gene No.	80937	Strand	+
Start	9644	End	10010
Name	OJ000308_11.0403.C3.o2.gp	Method	AAT/GAP
Start	9644	End	9973
GI	LIB3477-009-P1-K1-H10	Score	255
Exons	9644..9679, 9726..9793, 9875..9973		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39248	Seq. ID	OJ000308_11.0403.C3
Gene No.	80937	Strand	+
Start	9644	End	10010
Name	OJ000308_11.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	9728	End	10010
GI	none	Score	121
Exons	9728..9796, 9730..9816, 9730..9798, 9859..9978, 9859..9975, 9873..10010		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80938	Strand	+
Start	2021	End	5975
Name	OJ000308_18.0407.C1.o1.gs	Method	GENSCAN
Start	2021	End	5975
GI	none	Score	.52
Exons	2021..2122, 2232..2400, 2597..2658, 3353..4150, 5025..5108, 5296..5559, 5802..5975		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80938	Strand	+
Start	2021	End	5975
Name	OJ000308_18.0407.C1.o1.gp	Method	AAT/GAP
Start	3461	End	3899
GI	LIB3474-003-P1-K1-B12	Score	878
Exons	3461..3899		
GI Descrip.	'4584356/gb AAD25150.1 AC006420_5 1.0e-30 (AC006420) putative replication protein A [Arabidopsis thaliana]'		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
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Gene No.	80939	Strand	+
Start	5952	End	6251
Name	OJ000308_18.0407.C1.o2.gp	Method	AAT/GAP
Start	5952	End	6251
GI	2798531	Score	576
Exons	5952..6251		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80940	Strand	+
Start	20890	End	23141
Name	OJ000308_18.0407.C1.o3.np	Method	AAT/NAP
Start	20890	End	23141
GI	6907088	Score	305
Exons	20890..21027, 21204..21349, 23096..23141		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80941	Strand	+
Start	24015	End	30667
Name	OJ000308_18.0407.C1.o5.gs	Method	GENSCAN
Start	24015	End	30667
GI	none	Score	.55
Exons	24015..24102, 25152..25212, 28734..28875, 29208..29328, 29561..29806, 30138..30667		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80942	Strand	-
Start	6698	End	11508
Name	OJ000308_18.0407.C1.o3.gp	Method	AAT/GAP
Start	6619	End	7051
GI	1632335	Score	832
Exons	6619..7051		
GI Descrip.	4584356/gb AAD25150.1 AC006420_5 1.0e-30 (AC006420) putative replication protein A [Arabidopsis thaliana]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80942	Strand	-
Start	6698	End	11508
Name	OJ000308_18.0407.C1.o2.gs	Method	GENSCAN
Start	6698	End	11508
GI	none	Score	.75
Exons	6698..8387, 9447..10079, 11462..11508		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80942	Strand	-
Start	6698	End	11508
Name	OJ000308_18.0407.C1.o1.np	Method	AAT/NAP
Start	6716	End	9724
GI	4584356	Score	1968
Exons	6716..8238, 8282..8387, 9447..9724		
GI Descrip.	(AC006420) putative replication protein A1 [Arabidopsis thaliana]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80942	Strand	-
Start	6698	End	11508
Name	OJ000308_18.0407.C1.o4.gp	Method	AAT/GAP

Start	8053	End	9571
GI	LIB3477-001-P1-K1-C7		Score
Exons	8053..8387, 9447..9571		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80943	Strand	-
Start	13844	End	15938
Name	OJ000308_18.0407.C1.o5.gp	Method	AAT/GAP
Start	13844	End	15938
GI	6573148	Score	3651
Exons	13844..14349, 14465..15427, 15524..15938		
GI Descrip.	4388731/gb AAD19769 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80943	Strand	-
Start	13844	End	15938
Name	OJ000308_18.0407.C1.o2.np	Method	AAT/NAP
Start	14460	End	15746
GI	6573149	Score	2095
Exons	14460..15427, 15524..15746		
GI Descrip.	(AF201895) growth-regulating factor 1 [Oryza sativa]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80944	Strand	-
Start	20366	End	25101
Name	OJ000308_18.0407.C1.o4.np	Method	AAT/NAP
Start	20349	End	25101
GI	4680186	Score	323
Exons	20349..20367, 22079..22241, 22844..23000, 25082..25101		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80944	Strand	-
Start	20366	End	25101
Name	OJ000308_18.0407.C1.o4.gs	Method	GENSCAN
Start	20366	End	21348
GI	none	Score	.48
Exons	20366..20439, 20904..21012, 21298..21348		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80945	Strand	-
Start	31369	End	35204
Name	OJ000308_18.0407.C1.o6.gp	Method	AAT/GAP
Start	31369	End	34107
GI	3766626	Score	874
Exons	31369..31746, 33264..33380, 34053..34107		
GI Descrip.	5257255/dbj AP000364.1 AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80945	Strand	-
Start	31369	End	35204
Name	OJ000308_18.0407.C1.o6.gs	Method	GENSCAN
Start	33310	End	35204

GI	none	Score	.8
Exons	33310..33378, 34052..34117, 34281..34388, 35128..35204		
Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80945	Strand	-
Start	31369	End	35204
Name	OJ000308_18.0407.C1.o5.np	Method	AAT/NAP
Start	34016	End	34849
GI	4512703	Score	204
Exons	34016..34117, 34281..34388, 34715..34849		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o5.tm	Method	TBLASTX:Maize
Start	3452	End	3714
GI	none	Score	251
Exons	3452..3712, 3469..3552, 3517..3711, 3530..3712, 3538..3714		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o2.ts	Method	TBLASTX:Soybean
Start	3601	End	4081
GI	none	Score	130
Exons	3601..3771, 3604..3780, 3611..3811, 4028..4081		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o3.tm	Method	TBLASTX:Maize
Start	3917	End	4314
GI	none	Score	57
Exons	3917..3976, 3977..4135, 3992..4099, 4024..4131, 4041..4133, 4116..4304, 4129..4314, 4130..4306		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o2.tm	Method	TBLASTX:Maize
Start	7148	End	7492
GI	none	Score	53
Exons	7148..7207, 7149..7199, 7194..7490, 7196..7492, 7197..7490		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o1.tm	Method	TBLASTX:Maize
Start	7493	End	7976
GI	none	Score	85
Exons	7493..7564, 7494..7556, 7552..7974, 7553..7975, 7556..7975, 7557..7976		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205

Name	OJ000308_18.0407.C1.o1.ts	Method	TBLASTX:Soybean
Start	15249	End	15698
GI	none	Score	192
Exons	15249..15383, 15253..15384, 15384..15425, 15582..15698, 15625..15696		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o1.tc	Method	TBLASTX:Cress
Start	15250	End	15390
GI	none	Score	153
Exons	15250..15390, 15250..15351, 15252..15389		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o4.tm	Method	TBLASTX:Maize
Start	15252	End	15696
GI	none	Score	149
Exons	15252..15434, 15253..15390, 15552..15695, 15640..15696		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o6.tm	Method	TBLASTX:Maize
Start	34323	End	35205
GI	none	Score	80
Exons	34323..34412, 34324..34389, 34341..34391, 34710..34850, 34711..34806, 34714..34851, 34715..34849, 35125..35151, 35130..35150, 35133..35204, 35155..35205		

Seq. No.	39249	Seq. ID	OJ000308_18.0407.C1
Gene No.	80946	Strand	-
Start	35133	End	35205
Name	OJ000308_18.0407.C1.o7.gp	Method	AAT/GAP
Start	35133	End	35204
GI	28382_1.R1084	Score	117
Exons	35133..35204		
GI Descrip.	'4512703/gb AAD21756.1 5.0e-22 (AC006569) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39250	Seq. ID	OJ000308_18.0407.C3
Gene No.	80947	Strand	+
Start	483	End	1373
Name	OJ000308_18.0407.C3.o1.np	Method	AAT/NAP
Start	483	End	1373
GI	4733891	Score	99
Exons	483..606, 1313..1373		
GI Descrip.	(AF104924) unconventional myosin heavy chain [Zea mays]		

Seq. No.	39250	Seq. ID	OJ000308_18.0407.C3
Gene No.	80948	Strand	-
Start	149	End	685
Name	OJ000308_18.0407.C3.o1.gs	Method	GENSCAN
Start	149	End	685
GI	none	Score	.63

Exons 149..176, 555..685

Seq. No.	39251	Seq. ID	OJ000308_18.0407.C4
Gene No.	80949	Strand	+
Start	1	End	3468
Name	OJ000308_18.0407.C4.o1.np	Method	AAT/NAP
Start	1	End	3468
GI	7441407	Score	438
Exons	1..55, 582..680, 971..1192, 1477..1616, 1745..1895, 2399..2569, 2735..2778, 3383..3468		

GI Descrip. myosin heavy chain F4I10.130 - Arabidopsis thaliana

Seq. No.	39251	Seq. ID	OJ000308_18.0407.C4
Gene No.	80949	Strand	+
Start	1	End	3468
Name	OJ000308_18.0407.C4.o1.gs	Method	GENSCAN
Start	582	End	2818
GI	none	Score	.91
Exons	582..680, 971..1192, 1477..1616, 1997..2096, 2195..2242, 2399..2569, 2735..2818		

Seq. No.	39251	Seq. ID	OJ000308_18.0407.C4
Gene No.	80949	Strand	+
Start	1	End	3468
Name	OJ000308_18.0407.C4.o2.tm	Method	TBLASTX:Maize
Start	582	End	1152
GI	none	Score	67
Exons	582..623, 582..677, 583..678, 966..1151, 969..1145, 979..1152, 988..1152		

Seq. No.	39251	Seq. ID	OJ000308_18.0407.C4
Gene No.	80949	Strand	+
Start	1	End	3468
Name	OJ000308_18.0407.C4.o1.tc	Method	TBLASTX:Cress
Start	1743	End	2788
GI	none	Score	75
Exons	1743..1817, 2395..2523, 2396..2572, 2636..2788		

Seq. No.	39251	Seq. ID	OJ000308_18.0407.C4
Gene No.	80949	Strand	+
Start	1	End	3468
Name	OJ000308_18.0407.C4.o1.ts	Method	TBLASTX:Soybean
Start	2153	End	2545
GI	none	Score	59
Exons	2153..2248, 2395..2535, 2396..2545		

Seq. No.	39251	Seq. ID	OJ000308_18.0407.C4
Gene No.	80949	Strand	+
Start	1	End	3468
Name	OJ000308_18.0407.C4.o1.tm	Method	TBLASTX:Maize
Start	2356	End	2799
GI	none	Score	232
Exons	2356..2580, 2402..2575, 2657..2797, 2671..2766, 2679..2798, 2686..2799		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80950	Strand	+

Start	1	End	1807
Name	OJ000308_18.0407.C5.o1.gp	Method	AAT/GAP
Start	1	End	613
GI	LIB3434-060-P1-K1-H5	Score	291
Exons	1..97, 501..613		
GI Descrip.	'3063460 .1.0e-44 (AC003981) F22013.22 [Arabidopsis thaliana]'		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80950	Strand	+
Start	1	End	1807
Name	OJ000308_18.0407.C5.o1.np	Method	AAT/NAP
Start	1	End	1615
GI	3776579	Score	401
Exons	1..97, 501..600, 820..876, 965..1021, 1115..1195, 1278..1360, 1495..1615		
GI Descrip.	(AC005388) Strong similarity to F22013.22 gi 3063460 myosin homolog from A. thaliana BAC gb AC003981. [Arabidopsis thaliana]		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80950	Strand	+
Start	1	End	1807
Name	OJ000308_18.0407.C5.o1.gs	Method	GENSCAN
Start	501	End	1807
GI	none	Score	.78
Exons	501..600, 965..1021, 1115..1195, 1721..1807		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80951	Strand	-
Start	1438	End	1919
Name	OJ000308_18.0407.C5.o2.gp	Method	AAT/GAP
Start	1438	End	1919
GI	5109_1.R1084	Score	684
Exons	1438..1919		
GI Descrip.	'5918016/emb CAB36794.2 3.0e-09 (AL035525) myosin-like protein [Arabidopsis thaliana]'		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80952	Strand	-
Start	2543	End	8239
Name	OJ000308_18.0407.C5.o2.gs	Method	GENSCAN
Start	2543	End	8239
GI	none	Score	.71
Exons	2543..2649, 3336..3397, 3932..4569, 5712..5848, 5944..6079, 6166..6615, 6827..6930, 8227..8239		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80952	Strand	-
Start	2543	End	8239
Name	OJ000308_18.0407.C5.o2.np	Method	AAT/NAP
Start	3858	End	6538
GI	4006829	Score	1008
Exons	3858..4569, 5712..5848, 5944..6079, 6166..6538		
GI Descrip.	(AC005970) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80952	Strand	-
Start	2543	End	8239

Name	OJ000308_18.0407.C5.o3.gp	Method	AAT/GAP
Start	4045	End	4573
GI	42449_1.R1084	Score	992
Exons	4045..4573		
GI Descrip.	'4006829/gb AAC95171.1 4.0e-50 (AC005970) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80952	Strand	-
Start	2543	End	8239
Name	OJ000308_18.0407.C5.o4.gp	Method	AAT/GAP
Start	7508	End	7754
GI	8022_1.R1084	Score	329
Exons	7508..7754		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o2.tc	Method	TBLASTX:Cress
Start	27	End	1355
GI	none	Score	79
Exons	27..95, 495..623, 498..596, 499..600, 693..740, 817..882, 819..881, 964..1023, 965..1024, 1118..1201, 1135..1200, 1275..1355		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o2.ts	Method	TBLASTX:Soybean
Start	492	End	1360
GI	none	Score	62
Exons	492..599, 498..548, 499..600, 797..880, 817..882, 822..881, 964..1020, 965..1021, 1118..1204, 1118..1204, 1275..1358, 1277..1360		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o3.tm	Method	TBLASTX:Maize
Start	855	End	1651
GI	none	Score	46
Exons	855..878, 855..881, 963..1019, 964..1020, 965..1021, 1095..1196, 1104..1181, 1115..1201, 1117..1197, 1118..1225, 1275..1358, 1275..1358, 1277..1372, 1277..1360, 1471..1644, 1493..1624, 1493..1651		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o1.ts	Method	TBLASTX:Soybean
Start	4093	End	6370
GI	none	Score	47
Exons	4093..4131, 4097..4132, 4150..4569, 4151..4345, 4411..4548, 4433..4570, 5710..5832, 5712..5840, 5943..6077, 5945..6076, 6166..6234, 6235..6369, 6236..6370		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o1.tm	Method	TBLASTX:Maize
Start	4144	End	4557
GI	none	Score	84
Exons	4144..4284, 4147..4557, 4433..4555		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o1.tc	Method	TBLASTX:Cress
Start	4150	End	6369
GI	none	Score	141
Exons	4150..4569, 4430..4567, 5712..5834, 5713..5829, 5943..6080, 5945..6079, 6166..6219, 6245..6355, 6256..6369		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o1.tw	Method	TBLASTX:Wheat
Start	4177	End	4572
GI	none	Score	174
Exons	4177..4572, 4433..4570		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o2.tm	Method	TBLASTX:Maize
Start	5688	End	6319
GI	none	Score	68
Exons	5688..5810, 5710..5835, 5712..5840, 5917..5985, 5936..6076, 5943..6080, 5945..6079, 6166..6285, 6166..6318, 6209..6319		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o2.tw	Method	TBLASTX:Wheat
Start	5739	End	6306
GI	none	Score	86
Exons	5739..5813, 5739..5849, 5740..5847, 5936..6055, 5937..6056, 6056..6079, 6166..6234, 6206..6229, 6235..6306, 6239..6304		

Seq. No.	39252	Seq. ID	OJ000308_18.0407.C5
Gene No.	80953	Strand	-
Start	15151	End	16986
Name	OJ000308_18.0407.C5.o4.gs	Method	GENSCAN
Start	15151	End	16986
GI	none	Score	.69
Exons	15151..15312, 15901..15991, 16589..16676, 16832..16986		

Seq. No.	39253	Seq. ID	OJ000308_18.0407.C6
Gene No.	80954	Strand	+
Start	218	End	1577
Name	OJ000308_18.0407.C6.o1.np	Method	AAT/NAP
Start	218	End	1526

GI 5777617 Score 94
 Exons 218..239, 1389..1526
 GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No. 39253 Seq. ID OJ000308_18.0407.C6
 Gene No. 80954 Strand +
 Start 218 End 1577
 Name OJ000308_18.0407.C6.o1.gs Method GENSCAN
 Start 660 End 1577
 GI none Score .58
 Exons 660..697, 1427..1577

Seq. No. 39254 Seq. ID OJ000308_18.0407.C7
 Gene No. 80955 Strand +
 Start 317 End 996
 Name OJ000308_18.0407.C7.o1.gs Method GENSCAN
 Start 317 End 996
 GI none Score .42
 Exons 317..427, 665..996

Seq. No. 39254 Seq. ID OJ000308_18.0407.C7
 Gene No. 80956 Strand +
 Start 2291 End 2686
 Name OJ000308_18.0407.C7.o1.gp Method AAT/GAP
 Start 2291 End 2686
 GI uC-osrocyp016e08b1 Score 510
 Exons 2291..2408, 2523..2686
 GI Descrip. '2501011/sp|P73505|SYI_SYNY3 2.0e-15 ISOLEUCYL-TRNA SYNTHETASE
 (ISOLEUCINE--TRNA LIGASE) (ILERS) >gi_1652625_dbj_BAA17545_
 (D90907) isoleucyl-tRNA synthetase [Synechocystis sp.]'

Seq. No. 39254 Seq. ID OJ000308_18.0407.C7
 Gene No. 80957 Strand -
 Start 210 End 1802
 Name OJ000308_18.0407.C7.o1.np Method AAT/NAP
 Start 210 End 1518
 GI 5777617 Score 80
 Exons 210..307, 1497..1518
 GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No. 39254 Seq. ID OJ000308_18.0407.C7
 Gene No. 80957 Strand -
 Start 210 End 1802
 Name OJ000308_18.0407.C7.o2.gs Method GENSCAN
 Start 1013 End 1802
 GI none Score .62
 Exons 1013..1018, 1064..1392, 1458..1594, 1642..1802

Seq. No. 39254 Seq. ID OJ000308_18.0407.C7
 Gene No. 80958 Strand -
 Start 2468 End 2659
 Name OJ000308_18.0407.C7.o1.tm Method TBLASTX:Maize
 Start 1063 End 1374
 GI none Score 40
 Exons 1063..1125, 1066..1125, 1067..1126, 1124..1372, 1134..1373,
 1139..1372, 1141..1374

Seq. No.	39254	Seq. ID	OJ000308_18.0407.C7
Gene No.	80958	Strand	-
Start	2468	End	2659
Name	OJ000308_18.0407.C7.o3.gs	Method	GENSCAN
Start	2468	End	2659
GI	none	Score	.55
Exons	2468..2659		

Seq. No.	39255	Seq. ID	OJ000308_18.0407.C8
Gene No.	80959	Strand	-
Start	28	End	351
Name	OJ000308_18.0407.C8.o1.gs	Method	GENSCAN
Start	28	End	351
GI	none	Score	.42
Exons	28..351		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80960	Strand	+
Start	9596	End	21449
Name	OJ000308_18.0407.C9.o2.gs	Method	GENSCAN
Start	9596	End	21080
GI	none	Score	.64
Exons	9596..9938, 9940..10117, 10576..10742, 11979..12081, 14200..14405, 15031..15172, 15433..15504, 16509..16577, 16673..16744, 17343..17414, 17660..17731, 17972..18043, 18122..18193, 18340..18408, 18505..18576, 18846..18961, 19156..19521, 19774..20144, 20274..20297, 20712..21080		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80960	Strand	+
Start	9596	End	21449
Name	OJ000308_18.0407.C9.o1.np	Method	AAT/NAP
Start	14966	End	21077
GI	1345132	Score	2838
Exons	14966..15172, 15257..15328, 15433..15504, 15602..15673, 15763..15834, 15901..15972, 16191..16262, 16351..16422, 16509..16577, 16673..16744, 16858..16929, 17028..17099, 17187..17258, 17343..17414, 17489..17560, 17660..17731, 17813..17884, 17972..18043, 18122..18193, 18340..18408, 18505..18576, 18669..18742, 18833..18961, 19174..19521, 19774..20144, 20712..21077		

GI Descrip. (U47029) ERECTA [Arabidopsis thaliana] gi|1389566|dbj|BAA11869| (D83257) receptor protein kinase [Arabidopsis thaliana] gi|3075386|gb|AAC14518.1| (AC004484) putative receptor-like protein kinase, ERECTA [Arabidopsis thaliana]

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80960	Strand	+
Start	9596	End	21449
Name	OJ000308_18.0407.C9.o2.gp	Method	AAT/GAP
Start	15037	End	15632
GI	27644_1.R1084	Score	532
Exons	15037..15172, 15257..15328, 15433..15504, 15602..15632		
GI Descrip.	5257255/dbj AP000364.1 AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
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Gene No.	80960	Strand	+
Start	9596	End	21449
Name	OJ000308_18.0407.C9.o3.gp	Method	AAT/GAP
Start	20979	End	21449
GI	2317638	Score	873
Exons	20979..21449		
Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80961	Strand	+
Start	22484	End	22837
Name	OJ000308_18.0407.C9.o3.gs	Method	GENSCAN
Start	22484	End	22837
GI	none	Score	.98
Exons	22484..22837		
Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80962	Strand	+
Start	26348	End	34022
Name	OJ000308_18.0407.C9.o5.gs	Method	GENSCAN
Start	26348	End	33921
GI	none	Score	.94
Exons	26348..26422, 27224..27394, 28114..28245, 29864..30013, 30350..30495, 30586..30742, 30885..30943, 31325..31481, 32091..32240, 32370..32506, 33167..33313, 33387..33488, 33864..33921		
Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80962	Strand	+
Start	26348	End	34022
Name	OJ000308_18.0407.C9.o2.np	Method	AAT/NAP
Start	28098	End	34022
GI	5918016	Score	1425
Exons	28098..28245, 29885..30013, 30350..30495, 30586..30742, 30885..30943, 31325..31481, 32091..32240, 32370..32506, 33167..33313, 33387..33488, 33864..34022		
GI Descrip.	(AL035525) myosin-like protein [Arabidopsis thaliana]		
Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80962	Strand	+
Start	26348	End	34022
Name	OJ000308_18.0407.C9.o4.gp	Method	AAT/GAP
Start	33403	End	33921
GI	2310513	Score	241
Exons	33403..33488, 33864..33921		
GI Descrip.	5918016/emb CAB36794.2 2.0e-53 (AL035525) myosin-like protein [Arabidopsis thaliana]		
Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80963	Strand	-
Start	757	End	2000
Name	OJ000308_18.0407.C9.o1.gp	Method	AAT/GAP
Start	757	End	2000
GI	5456486	Score	696
Exons	757..865, 1720..2000		
Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	

Start	14994	End	21080
Name	OJ000308_18.0407.C9.o1.tc	Method	TBLASTX:Cress
Start	14994	End	21080
GI	none	Score	103
Exons	14994..15092, 15117..15182, 15239..15328, 15258..15329, 15430..15486, 15434..15520, 15434..15505, 15434..15505, 15591..15659, 15602..15667, 15603..15674, 15603..15674, 15689..15844, 15758..15838, 15763..15867, 15767..15862, 15767..15826, 15901..15972, 15902..15973, 16191..16268, 16192..16260, 16352..16423, 16352..16432, 16352..16423, 16369..16422, 16509..16577, 16510..16635, 16510..16566, 16667..16741, 16668..16745, 16677..16775, 16858..16932, 16859..16930, 16859..16930, 16859..16912, 17028..17090, 17029..17100, 17032..17085, 17032..17100, 17032..17091, 17182..17259, 17187..17261, 17191..17250, 17191..17253, 17332..17415, 17332..17397, 17343..17420, 17490..17561, 17507..17560, 17649..17732, 17814..17861, 17991..18044, 18123..18194, 18341..18421, 18342..18401, 18505..18576, 18506..18580, 18667..18741, 18835..18960, 19170..19523, 19170..19520, 19187..19522, 19728..20147, 19781..20149, 19782..20093, 19859..20137, 20711..20860, 20712..20879, 20730..20888, 21009..21080		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o2.ts	Method	TBLASTX:Soybean
Start	15258	End	18580
GI	none	Score	47
Exons	15258..15320, 15434..15505, 15597..15674, 15603..15674, 15767..15826, 15767..15826, 16722..16745, 16858..16932, 16859..16930, 17028..17099, 17029..17100, 17032..17085, 17182..17259, 17187..17261, 17191..17283, 17332..17415, 17332..17415, 17343..17420, 17490..17561, 17507..17563, 17649..17753, 17651..17731, 17814..17864, 17991..18035, 17991..18044, 18123..18194, 18341..18427, 18506..18580		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o3.ts	Method	TBLASTX:Soybean
Start	15901	End	16578
GI	none	Score	118
Exons	15901..15972, 15902..15973, 16191..16268, 16192..16260, 16352..16423, 16369..16422, 16509..16574, 16510..16578		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o1.tm	Method	TBLASTX:Maize
Start	16474	End	18047
GI	none	Score	123
Exons	16474..16578, 16474..16575, 16482..16577, 16667..16738, 16667..16741, 16668..16745, 16858..16932, 16859..16930, 16861..16932, 17028..17096, 17028..17099, 17029..17100, 17032..17091, 17172..17255, 17182..17259, 17187..17261, 17332..17412, 17343..17414, 17490..17561, 17507..17578,		

17649..17729, 17660..17731, 17813..17899, 17814..17864,
17973..18047, 17991..18044

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o2.tm	Method	TBLASTX:Maize
Start	18063	End	20923
GI	none	Score	107
Exons	18063..18191, 18119..18199, 18123..18194, 18341..18409, 18341..18406, 18358..18414, 18505..18582, 18506..18580, 18663..18725, 18667..18732, 18838..18960, 18862..18960, 19169..19447, 19170..19448, 19434..19523, 19442..19522, 19456..19545, 19772..19807, 19773..20147, 19859..20143, 20711..20860, 20712..20891, 20733..20915, 20771..20923		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o1.ts	Method	TBLASTX:Soybean
Start	19169	End	20125
GI	none	Score	551
Exons	19169..19522, 19170..19523, 19170..19523, 19728..20123, 19779..20093, 19859..20125		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o1.tw	Method	TBLASTX:Wheat
Start	19794	End	20147
GI	none	Score	347
Exons	19794..20147, 19859..20131		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80964	Strand	
Start	14994	End	21080
Name	OJ000308_18.0407.C9.o4.ts	Method	TBLASTX:Soybean
Start	20711	End	20891
GI	none	Score	237
Exons	20711..20860, 20712..20891		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80965	Strand	
Start	29899	End	33921
Name	OJ000308_18.0407.C9.o2.tc	Method	TBLASTX:Cress
Start	29899	End	33921
GI	none	Score	127
Exons	29899..30012, 29903..30013, 30343..30495, 30350..30496, 30580..30699, 30584..30742, 30584..30736, 30884..30943, 30885..30941, 31319..31459, 31323..31475, 31330..31482, 32089..32178, 32091..32240, 32159..32236, 32367..32507, 32369..32509, 33162..33314, 33367..33486, 33390..33488, 33856..33921, 33861..33917		

Seq. No.	39256	Seq. ID	OJ000308_18.0407.C9
Gene No.	80965	Strand	
Start	29899	End	33921

Name	OJ000308_18.0407.C9.o3.tm	Method	TBLASTX:Maize
Start	30885	End	31472
GI	none	Score	79
Exons	30885..30944, 31338..31472, 31340..31456		
Seq. No.	39257	Seq. ID	OJ000308_18.0407.C10
Gene No.	80966	Strand	+
Start	1	End	863
Name	OJ000308_18.0407.C10.o1.np	Method	AAT/NAP
Start	1	End	863
GI	5918016	Score	295
Exons	1..35, 87..217, 303..457, 837..863		
GI Descrip.	(AL035525) myosin-like protein [Arabidopsis thaliana]		
Seq. No.	39257	Seq. ID	OJ000308_18.0407.C10
Gene No.	80967	Strand	-
Start	325	End	770
Name	OJ000308_18.0407.C10.o1.tc	Method	TBLASTX:Cress
Start	87	End	558
GI	none	Score	156
Exons	87..215, 88..216, 281..424, 310..435, 407..457, 490..558		
Seq. No.	39257	Seq. ID	OJ000308_18.0407.C10
Gene No.	80967	Strand	-
Start	325	End	770
Name	OJ000308_18.0407.C10.o1.tm	Method	TBLASTX:Maize
Start	88	End	435
GI	none	Score	149
Exons	88..216, 156..215, 281..424, 283..435		
Seq. No.	39257	Seq. ID	OJ000308_18.0407.C10
Gene No.	80967	Strand	-
Start	325	End	770
Name	OJ000308_18.0407.C10.o1.gs	Method	GENSCAN
Start	325	End	770
GI	none	Score	.5
Exons	325..500, 666..770		
Seq. No.	39258	Seq. ID	OJ000308_18.0407.C11
Gene No.	80968	Strand	+
Start	58	End	662
Name	OJ000308_18.0407.C11.o1.gs	Method	GENSCAN
Start	58	End	662
GI	none	Score	.79
Exons	58..65, 257..662		
Seq. No.	39259	Seq. ID	OJ000228_07.0410.C1
Gene No.	80969	Strand	-
Start	32	End	715
Name	OJ000228_07.0410.C1.o1.np	Method	AAT/NAP
Start	32	End	715
GI	2126090	Score	1198
Exons	32..715		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi 455676 bbs 140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli]		

gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2
[Arabidopsis thaliana]

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80970	Strand	+
Start	110	End	439
Name	OJ000228_07.0410.C4.o1.gs	Method	GENSCAN
Start	110	End	439
GI	none	Score	.9
Exons	110..439		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80971	Strand	+
Start	3584	End	5166
Name	OJ000228_07.0410.C4.o3.gs	Method	GENSCAN
Start	3584	End	5166
GI	none	Score	.44
Exons	3584..3654, 3807..3942, 4110..4137, 4186..4245, 4624..4750, 5043..5166		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80972	Strand	-
Start	1	End	1771
Name	OJ000228_07.0410.C4.o1.np	Method	AAT/NAP
Start	1	End	1771
GI	6729496	Score	224
Exons	1..232, 1640..1771		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80972	Strand	-
Start	1	End	1771
Name	OJ000228_07.0410.C4.o1.gp	Method	AAT/GAP
Start	67	End	595
GI	4715420	Score	1006
Exons	67..595		
GI Descrip.	4371280/gb AAD18138 3.0e-09 (AC006260) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80973	Strand	-
Start	1704	End	2833
Name	OJ000228_07.0410.C4.o2.gs	Method	GENSCAN
Start	1704	End	2833
GI	none	Score	.42
Exons	1704..1799, 2396..2535, 2618..2691, 2793..2833		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80974	Strand	-
Start	3154	End	4795
Name	OJ000228_07.0410.C4.o2.np	Method	AAT/NAP
Start	3154	End	4795
GI	7340860	Score	74
Exons	3154..3193, 4684..4795		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39260	Seq. ID	OJ000228_07.0410.C4
Gene No.	80975	Strand	-
Start	6195	End	8863
Name	OJ000228_07.0410.C4.o4.gs	Method	GENSCAN
Start	6195	End	8863
GI	none	Score	.64
Exons	6195..6209, 7303..7385, 8060..8241, 8793..8863		

Seq. No.	39261	Seq. ID	OJ000228_07.0410.C5
Gene No.	80976	Strand	-
Start	574	End	922
Name	OJ000228_07.0410.C5.o1.gs	Method	GENSCAN
Start	574	End	922
GI	none	Score	.87
Exons	574..922		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80977	Strand	+
Start	1247	End	1411
Name	OJ000228_07.0410.C6.o1.gs	Method	GENSCAN
Start	1247	End	1411
GI	none	Score	.49
Exons	1247..1411		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80978	Strand	+
Start	17598	End	18194
Name	OJ000228_07.0410.C6.o2.gp	Method	AAT/GAP
Start	17341	End	17452
GI	286549	Score	185
Exons	17341..17452		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80978	Strand	+
Start	17598	End	18194
Name	OJ000228_07.0410.C6.o4.gs	Method	GENSCAN
Start	17598	End	18194
GI	none	Score	.93
Exons	17598..17792, 17872..17948, 18053..18194		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80979	Strand	+
Start	18258	End	18693
Name	OJ000228_07.0410.C6.o3.gp	Method	AAT/GAP
Start	18258	End	18693
GI	none	Score	872
Exons	18258..18693		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80980	Strand	+
Start	25682	End	27245
Name	OJ000228_07.0410.C6.o4.np	Method	AAT/NAP
Start	25682	End	26904
GI	7459617	Score	842
Exons	25682..26331, 26654..26904		
GI Descrip.	hypothetical protein F16J13.180 - Arabidopsis thaliana gi 4586116 emb CAB40952.1 (AL049638) putative C-4 sterol methyl		

oxidase [Arabidopsis thaliana] gi|7267912|emb|CAB78254.1|
(AL161533) putative C-4 sterol methyl oxidase [Arabidopsis
thaliana]

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80980	Strand	+
Start	25682	End	27245
Name	OJ000228_07.0410.C6.o6.gs	Method	GENSCAN
Start	25682	End	27245
GI	none	Score	.93
Exons	25682..26331, 26654..26801, 26920..26952, 27174..27245		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80981	Strand	+
Start	33390	End	34593
Name	OJ000228_07.0410.C6.o8.gp	Method	AAT/GAP
Start	33349	End	33729
GI	3762744	Score	708
Exons	33349..33729		
GI Descrip.	1362078/pir S48102 2.0e-12 endo-1,4-beta-D-glucanase, xyloglucan-specific (clone NXG1) - common nasturtium >gi_311835_emb_CAA48324_ (X68254) cellulase [Tropaeolum majus]		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80981	Strand	+
Start	33390	End	34593
Name	OJ000228_07.0410.C6.o8.gs	Method	GENSCAN
Start	33390	End	34415
GI	none	Score	.97
Exons	33390..33740, 33834..34415		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80981	Strand	+
Start	33390	End	34593
Name	OJ000228_07.0410.C6.o6.np	Method	AAT/NAP
Start	33420	End	34418
GI	4883603	Score	911
Exons	33420..33740, 33834..34418		
GI Descrip.	(AC006922) putative xyloglucan endo-transglycosylase [Arabidopsis thaliana]		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80981	Strand	+
Start	33390	End	34593
Name	OJ000228_07.0410.C6.o9.gp	Method	AAT/GAP
Start	33945	End	34593
GI	84241_1.R1084	Score	1157
Exons	33945..34593		
GI Descrip.	'1362078/pir S48102 2.0e-12 endo-1,4-beta-D-glucanase, xyloglucan-specific (clone NXG1) - common nasturtium >gi_311835_emb_CAA48324_ (X68254) cellulase [Tropaeolum majus]'		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80982	Strand	-
Start	863	End	3317
Name	OJ000228_07.0410.C6.o1.np	Method	AAT/NAP
Start	863	End	3317

GI 6554477 Score 349
 Exons 863..936, 2439..2619, 2731..2993, 3101..3317
 GI Descrip. (AC012394) unknown protein [Arabidopsis thaliana]
 gi|6642661|gb|AAF20241.1|AC015450_2 (AC015450) unknown protein
 [Arabidopsis thaliana]

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80982 Strand -
 Start 863 End 3317
 Name OJ000228_07.0410.C6.o2.gs Method GENSCAN
 Start 2230 End 3317
 GI none Score .73
 Exons 2230..2643, 2782..2993, 3101..3317

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80983 Strand -
 Start 4318 End 17183
 Name OJ000228_07.0410.C6.o3.gs Method GENSCAN
 Start 4318 End 17183
 GI none Score .4
 Exons 4318..4377, 6670..6749, 7621..7788, 8340..8437, 8599..8677,
 10283..10378, 10837..10927, 12837..12917, 13014..13067,
 13161..13248, 13435..13550, 13648..13821, 15083..15203,
 15452..15633, 16410..16520, 16647..16718, 17073..17183

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80983 Strand -
 Start 4318 End 17183
 Name OJ000228_07.0410.C6.o1.gp Method AAT/GAP
 Start 12578 End 15875
 GI 309_1.R1084 Score 2100
 Exons 12578..12917, 13014..13067, 13161..13248, 13345..13508,
 13648..13821, 15083..15203, 15452..15633, 15709..15875
 GI Descrip. '1706551/sp|P52409|E13B_WHEAT 4.0e-15 GLUCAN
 ENDO-1,3-BETA-GLUCOSIDASE PRECURSOR ((1->3)-BETA-GLUCAN
 ENDOHYDROLASE) ((1->3)-BETA-GLUCANASE) (BETA-1,3-ENDOGLUCANASE)
 >gi_924953 (U30323) beta 1,3-glucanase [Triticum aestivum]'

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80983 Strand -
 Start 4318 End 17183
 Name OJ000228_07.0410.C6.o2.np Method AAT/NAP
 Start 12831 End 15645
 GI 231706 Score 1288
 Exons 12831..12917, 13014..13067, 13161..13248, 13345..13508,
 13648..13821, 15083..15203, 15452..15645
 GI Descrip. CELL DIVISION CONTROL PROTEIN 2 HOMOLOG 1 gi|100667|pir||S22440
 protein kinase (EC 2.7.1.37) cdc2 homolog 1 - rice
 gi|20343|emb|CAA42922| (X60374) Rcdc2-1 [Oryza sativa]
 gi|228924|prf||1814443A cdc2 protein:ISOTYPE=cdc2Os-1 [Oryza
 sativa]

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80984 Strand -
 Start 18550 End 23110
 Name OJ000228_07.0410.C6.o3.np Method AAT/NAP
 Start 18538 End 23110

GI 6729005 Score 1350
 Exons 18538..18772, 18861..19033, 19128..19259, 19356..19569,
 19662..19849, 19952..20146, 20348..20499, 23078..23110
 GI Descrip. (AC016827) putative DEAD/DEAH box helicase [Arabidopsis
 thaliana]

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80984 Strand -
 Start 18550 End 23110
 Name OJ000228_07.0410.C6.o5.gs Method GENSCAN
 Start 18550 End 21746
 GI none Score .72
 Exons 18550..18772, 18861..19033, 19128..19259, 19356..19569,
 19662..19849, 19952..20146, 20348..20835, 21137..21746

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80984 Strand -
 Start 18550 End 23110
 Name OJ000228_07.0410.C6.o4.gp Method AAT/GAP
 Start 19118 End 20045
 GI 13147_1.R1084 Score 1133
 Exons 19118..19259, 19356..19569, 19662..19849, 19952..20045
 GI Descrip. '4538903/emb|CAB39640.1| 2.0e-10 (AL049482) putative protein
 [Arabidopsis thaliana]'

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80984 Strand -
 Start 18550 End 23110
 Name OJ000228_07.0410.C6.o5.gp Method AAT/GAP
 Start 20656 End 21462
 GI none Score 866
 Exons 20656..20835, 21137..21462

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80985 Strand -
 Start 27762 End 29644
 Name OJ000228_07.0410.C6.o7.gs Method GENSCAN
 Start 27762 End 29581
 GI none Score .87
 Exons 27762..27786, 28048..28127, 28257..28451, 28544..28665,
 29119..29221, 29304..29416, 29470..29581

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80985 Strand -
 Start 27762 End 29644
 Name OJ000228_07.0410.C6.o5.np Method AAT/NAP
 Start 28044 End 29575
 GI 7296875 Score 316
 Exons 28044..28163, 28311..28451, 28544..28665, 29119..29221,
 29304..29380, 29470..29575
 GI Descrip. (AE003606) CG9779 gene product [Drosophila melanogaster]

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80985 Strand -
 Start 27762 End 29644
 Name OJ000228_07.0410.C6.o6.gp Method AAT/GAP
 Start 28596 End 29644

GI LIB3434-065-P1-K1-G10 Score 745
 Exons 28596..28665, 29119..29221, 29304..29380, 29470..29644
 GI Descrip. '4929767/gb|AAD34144.1|AF151907_1 2.0e-18 (AF151907) CGI-149
 protein [Homo sapiens]'

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80986 Strand -
 Start 34886 End 35265
 Name OJ000228_07.0410.C6.o4.tc Method TBLASTX:Cress
 Start 2762 End 3254
 GI none Score 121
 Exons 2762..2899, 2764..2991, 2921..2980, 3099..3158, 3186..3254

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80986 Strand -
 Start 34886 End 35265
 Name OJ000228_07.0410.C6.o3.tw Method TBLASTX:Wheat
 Start 2764 End 2980
 GI none Score 93
 Exons 2764..2844, 2765..2854, 2768..2848, 2850..2894, 2860..2979,
 2867..2980

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80986 Strand -
 Start 34886 End 35265
 Name OJ000228_07.0410.C6.o5.tm Method TBLASTX:Maize
 Start 2764 End 3255
 GI none Score 85
 Exons 2764..2850, 2771..2851, 2863..2988, 2870..2989, 3102..3146,
 3103..3141, 3186..3254, 3208..3255

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80986 Strand -
 Start 34886 End 35265
 Name OJ000228_07.0410.C6.o5.ts Method TBLASTX:Soybean
 Start 2764 End 3272
 GI none Score 86
 Exons 2764..2853, 2765..2854, 2831..2968, 2860..2994, 2861..2995,
 3102..3149, 3103..3141, 3186..3272, 3208..3252

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80986 Strand -
 Start 34886 End 35265
 Name OJ000228_07.0410.C6.o1.tw Method TBLASTX:Wheat
 Start 12695 End 13215
 GI none Score 38
 Exons 12695..12715, 12699..12740, 12706..12738, 12825..12917,
 12826..12915, 12828..12917, 13009..13068, 13011..13070,
 13014..13073, 13161..13214, 13165..13215

Seq. No. 39262 Seq. ID OJ000228_07.0410.C6
 Gene No. 80986 Strand -
 Start 34886 End 35265
 Name OJ000228_07.0410.C6.o4.tm Method TBLASTX:Maize
 Start 12759 End 13720
 GI none Score 37
 Exons 12759..12833, 12840..12917, 12841..12915, 13009..13089,

13014..13064, 13170..13250, 13171..13254, 13344..13511,
13375..13509, 13634..13720, 13642..13719

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o3.ts	Method	TBLASTX:Soybean
Start	12834	End	15628
GI	none	Score	79
Exons	12834..12914, 12847..12903, 13009..13068, 13014..13064, 13143..13250, 13150..13251, 13341..13511, 13344..13511, 13345..13518, 13642..13818, 13643..13807, 13645..13815, 15080..15205, 15080..15205, 15096..15206, 15449..15628, 15454..15624, 15458..15628		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o3.tc	Method	TBLASTX:Cress
Start	12843	End	15628
GI	none	Score	88
Exons	12843..12917, 12844..12915, 13009..13068, 13014..13064, 13167..13250, 13171..13254, 13344..13511, 13345..13518, 13375..13509, 13634..13819, 13634..13738, 13642..13824, 15083..15205, 15111..15230, 15449..15628, 15449..15622, 15454..15624		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o5.tw	Method	TBLASTX:Wheat
Start	13344	End	13511
GI	none	Score	75
Exons	13344..13511, 13381..13509		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o4.tw	Method	TBLASTX:Wheat
Start	13651	End	15562
GI	none	Score	59
Exons	13651..13815, 13670..13798, 15125..15166, 15478..15558, 15485..15562		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o7.tm	Method	TBLASTX:Maize
Start	15083	End	15722
GI	none	Score	174
Exons	15083..15202, 15084..15203, 15085..15207, 15441..15467, 15443..15628, 15454..15624, 15609..15722		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o1.tm	Method	TBLASTX:Maize

Start	18550	End	20659
GI	none	Score	359
Exons	18550..18774, 18551..18775, 18860..19036, 18860..19033, 18940..19035, 19125..19262, 19128..19262, 19129..19266, 19353..19571, 19353..19577, 19614..19856, 19656..19853, 19663..19857, 19664..19861, 19928..20119, 19929..20126, 19950..20099, 20112..20147, 20114..20149, 20346..20444, 20347..20442, 20348..20470, 20358..20465, 20450..20659, 20454..20603, 20455..20634		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o6.tc	Method	TBLASTX:Cress
Start	18559	End	18774
GI	none	Score	142
Exons	18559..18717, 18560..18718, 18706..18774		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o4.ts	Method	TBLASTX:Soybean
Start	18860	End	19430
GI	none	Score	71
Exons	18860..18886, 18908..19033, 18948..19031, 19125..19262, 19129..19260, 19131..19262, 19353..19430, 19363..19428		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o7.ts	Method	TBLASTX:Soybean
Start	19431	End	19765
GI	none	Score	84
Exons	19431..19577, 19662..19730, 19664..19765		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o7.tc	Method	TBLASTX:Cress
Start	19929	End	20167
GI	none	Score	162
Exons	19929..20150, 19934..20167, 19955..20158		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o2.tc	Method	TBLASTX:Cress
Start	25682	End	26311
GI	none	Score	105
Exons	25682..25807, 25904..26311, 25996..26310		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o3.tm	Method	TBLASTX:Maize
Start	25682	End	26955
GI	none	Score	118

Exons 25682..25807, 25904..26335, 25972..26331, 26213..26341,
26624..26800, 26643..26801, 26674..26808, 26917..26955

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o2.ts	Method	TBLASTX:Soybean
Start	25931	End	26768
GI	none	Score	492
Exons	25931..26335, 25972..26337, 26643..26768, 26675..26767		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o2.tw	Method	TBLASTX:Wheat
Start	26173	End	27240
GI	none	Score	210
Exons	26173..26334, 26174..26341, 26648..26800, 26649..26801, 26680..26808, 26908..26946, 26917..26964, 27166..27240, 27166..27222, 27171..27236		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o8.tm	Method	TBLASTX:Maize
Start	27912	End	28565
GI	none	Score	36
Exons	27912..27944, 28020..28085, 28038..28094, 28104..28151, 28243..28467, 28252..28356, 28257..28427, 28400..28453, 28529..28564, 28542..28565		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o5.tc	Method	TBLASTX:Cress
Start	28287	End	29372
GI	none	Score	95
Exons	28287..28427, 28291..28467, 28529..28651, 28529..28666, 28533..28667, 28533..28691, 29112..29222, 29120..29224, 29304..29372		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o6.ts	Method	TBLASTX:Soybean
Start	28581	End	29596
GI	none	Score	100
Exons	28581..28667, 28583..28666, 29112..29234, 29120..29236, 29304..29381, 29308..29388, 29471..29596		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o6.tm	Method	TBLASTX:Maize
Start	29112	End	29581
GI	none	Score	114
Exons	29112..29234, 29120..29236, 29304..29381, 29308..29388,		

29471..29581

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o1.ts	Method	TBLASTX:Soybean
Start	33483	End	34412
GI	none	Score	99
Exons	33483..33593, 33585..33743, 33599..33739, 33834..34304, 33914..34039, 34103..34312, 34299..34412, 34301..34378		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	33483	End	34412
GI	none	Score	118
Exons	33483..33593, 33500..33589, 33585..33743, 33599..33739, 33834..34304, 33914..34039, 34103..34312, 34299..34412, 34301..34378		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o1.tc	Method	TBLASTX:Cress
Start	33500	End	34415
GI	none	Score	95
Exons	33500..33523, 33501..33614, 33600..33743, 33638..33739, 33834..34328, 33923..34327, 34307..34414, 34308..34415		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o9.gs	Method	GENSCAN
Start	34886	End	35265
GI	none	Score	.71
Exons	34886..34901, 35047..35265		

Seq. No.	39262	Seq. ID	OJ000228_07.0410.C6
Gene No.	80986	Strand	-
Start	34886	End	35265
Name	OJ000228_07.0410.C6.o9.tm	Method	TBLASTX:Maize
Start	34960	End	35196
GI	none	Score	239
Exons	34960..35196, 34968..35195		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80987	Strand	+
Start	7113	End	8549
Name	OJ000228_07.0410.C7.o2.gp	Method	AAT/GAP
Start	7113	End	8549
GI	15145_1.R1084	Score	566
Exons	7113..7243, 7325..7463, 8499..8549		
GI Descrip.	'4063747 3.0e-30 (AC005851) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
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Gene No.	80987	Strand	+
Start	7113	End	8549
Name	OJ000228_07.0410.C7.o3.np	Method	AAT/NAP
Start	7155	End	8549
GI	7378629	Score	240
Exons	7155..7243, 7325..7463, 8499..8549		
GI Descrip.	(AL162751) putative protein [Arabidopsis thaliana]		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.np	Method	AAT/NAP
Start	1	End	2383
GI	7378628	Score	133
Exons	1..48, 80..261, 346..405, 718..757, 837..970, 1075..1185, 2326..2383		
GI Descrip.	(AL162751) putative protein [Arabidopsis thaliana]		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o2.np	Method	AAT/NAP
Start	1	End	8549
GI	7378628	Score	221
Exons	1..48, 80..261, 346..405, 718..757, 837..970, 1075..1185, 1817..2103, 2629..2696, 6024..6097, 6401..6497, 8503..8549		
GI Descrip.	(AL162751) putative protein [Arabidopsis thaliana]		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.gs	Method	GENSCAN
Start	80	End	7508
GI	none	Score	.89
Exons	80..261, 1075..1185, 2136..2189, 2605..2694, 3185..3304, 5606..5716, 5832..5979, 6010..6097, 6378..6662, 7142..7508		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	90	End	278
GI	none	Score	38
Exons	90..158, 100..267, 101..268, 177..278		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.gp	Method	AAT/GAP
Start	827	End	1185
GI	none	Score	397
Exons	827..970, 1075..1185		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.tc	Method	TBLASTX:Cress

Start	7140	End	8546
GI	none	Score	95
Exons	7140..7244, 7157..7243, 7322..7465, 7323..7466, 8460..8546		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o1.ts	Method	TBLASTX:Soybean
Start	7161	End	7466
GI	none	Score	83
Exons	7161..7244, 7193..7243, 7322..7465, 7323..7466		

Seq. No.	39263	Seq. ID	OJ000228_07.0410.C7
Gene No.	80988	Strand	-
Start	1	End	8549
Name	OJ000228_07.0410.C7.o2.tm	Method	TBLASTX:Maize
Start	7161	End	8546
GI	none	Score	49
Exons	7161..7205, 7215..7244, 7322..7465, 7323..7466, 8469..8546		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80989	Strand	+
Start	1	End	54
Name	OJ000228_07.0410.C8.o1.gp	Method	AAT/GAP
Start	1	End	54
GI	15145_1.R1084	Score	108
Exons	1..54		
GI Descrip.	'4063747 3.0e-30 (AC005851) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80990	Strand	+
Start	702	End	1264
Name	OJ000228_07.0410.C8.o1.gs	Method	GENSCAN
Start	702	End	1264
GI	none	Score	.77
Exons	702..830, 1092..1264		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80991	Strand	+
Start	6593	End	10225
Name	OJ000228_07.0410.C8.o3.gp	Method	AAT/GAP
Start	6593	End	7369
GI	2280809	Score	638
Exons	6593..6702, 6816..6870, 6976..7020, 7183..7369		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80991	Strand	+
Start	6593	End	10225
Name	OJ000228_07.0410.C8.o2.np	Method	AAT/NAP
Start	6677	End	10059
GI	4678947	Score	528
Exons	6677..6812, 7172..7285, 8022..8098, 8187..8263, 8730..8810, 9143..9275, 9705..9764, 9999..10059		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
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Gene No.	80991	Strand	+
Start	6593	End	10225
Name	OJ000228_07.0410.C8.o4.gp	Method	AAT/GAP
Start	8751	End	10225
GI	3080_2.R1084	Score	620
Exons	8751..8810, 9143..9275, 9705..9764, 9999..10055, 10174..10225		
GI Descrip.	'4371280/gb AAD18138 3.0e-09 (AC006260) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80992	Strand	-
Start	1691	End	5244
Name	OJ000228_07.0410.C8.o2.gs	Method	GENSCAN
Start	1691	End	3928
GI	none	Score	.49
Exons	1691..2159, 2574..2818, 3335..3928		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80992	Strand	-
Start	1691	End	5244
Name	OJ000228_07.0410.C8.o1.np	Method	AAT/NAP
Start	1700	End	5244
GI	4063747	Score	1059
Exons	1700..2159, 2574..2818, 3360..3703, 5189..5244		
GI Descrip.	(AC005851) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80992	Strand	-
Start	1691	End	5244
Name	OJ000228_07.0410.C8.o2.gp	Method	AAT/GAP
Start	1952	End	2749
GI	3766740	Score	726
Exons	1952..2159, 2574..2749		
GI Descrip.	4063747 3.0e-30 (AC005851) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o1.ts	Method	TBLASTX:Soybean
Start	1718	End	2137
GI	none	Score	297
Exons	1718..2137, 1758..2078		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o1.tw	Method	TBLASTX:Wheat
Start	1745	End	2066
GI	none	Score	140
Exons	1745..2065, 1884..2066		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	1955	End	2739

GI	none	Score	162
Exons	1955..2167, 1959..2078, 1959..2168, 1961..2155, 2136..2165, 2559..2657, 2569..2727, 2572..2727, 2574..2738, 2713..2739		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o3.ts	Method	TBLASTX:Soybean
Start	2717	End	3709
GI	none	Score	55
Exons	2717..2788, 2792..2818, 3360..3398, 3367..3399, 3401..3655, 3402..3437, 3498..3554, 3683..3709		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o3.gs	Method	GENSCAN
Start	5554	End	8451
GI	none	Score	.76
Exons	5554..5630, 6135..6314, 6585..6916, 7162..7273, 8386..8451		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o2.tm	Method	TBLASTX:Maize
Start	6670	End	10291
GI	none	Score	62
Exons	6670..6702, 6670..6702, 6791..6874, 6813..6881, 6814..6870, 6977..7021, 6978..7031, 6979..7032, 7158..7193, 7173..7283, 7173..7283, 7240..7284, 8023..8097, 8024..8098, 8024..8098, 8163..8267, 8181..8267, 8185..8268, 8185..8271, 8719..8811, 8729..8809, 8730..8810, 9137..9271, 9141..9284, 9141..9275, 9700..9762, 9704..9763, 9705..9764, 9990..10061, 9995..10054, 10119..10265, 10173..10250, 10174..10269, 10174..10290, 10175..10291		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o1.tc	Method	TBLASTX:Cress
Start	7161	End	9251
GI	none	Score	140
Exons	7161..7283, 8020..8097, 8021..8098, 8030..8110, 8181..8267, 8183..8266, 8196..8267, 8731..8811, 9137..9235, 9141..9230, 9144..9251		

Seq. No.	39264	Seq. ID	OJ000228_07.0410.C8
Gene No.	80993	Strand	-
Start	5554	End	10291
Name	OJ000228_07.0410.C8.o2.ts	Method	TBLASTX:Soybean
Start	7194	End	10274
GI	none	Score	62
Exons	7194..7283, 7240..7284, 8020..8097, 8021..8098, 8021..8110, 8181..8267, 8183..8266, 8719..8811, 8730..8810, 9137..9271, 9141..9284, 9705..9764, 9990..10061, 9993..10055, 10174..10269, 10174..10272, 10176..10274		

Seq. No. 39265
 Gene No. 80994
 Start 77
 Name OJ000228_07.0410.C9.o1.gs
 Start 77
 GI none
 Exons 77..283, 366..494

Seq. ID OJ000228_07.0410.C9
 Strand +
 End 1004
 Method GENSCAN
 End 494
 Score .68

Seq. No. 39265
 Gene No. 80994
 Start 77
 Name OJ000228_07.0410.C9.o1.gp
 Start 176
 GI 3080_1.R1084
 Exons 176..283, 366..1004
 GI Descrip. '4063747 3.0e-30 (AC005851) hypothetical protein [Arabidopsis thaliana]'

Seq. ID OJ000228_07.0410.C9
 Strand +
 End 1004
 Method AAT/GAP
 End 1004
 Score 1429

Seq. No. 39265
 Gene No. 80995
 Start 1765
 Name OJ000228_07.0410.C9.o2.tm
 Start 154
 GI none
 Exons 154..285, 176..289, 315..488, 345..488

Seq. ID OJ000228_07.0410.C9
 Strand -
 End 13796
 Method TBLASTX:Maize
 End 488
 Score 180

Seq. No. 39265
 Gene No. 80995
 Start 1765
 Name OJ000228_07.0410.C9.o2.ts
 Start 175
 GI none
 Exons 175..273, 176..286, 375..473

Seq. ID OJ000228_07.0410.C9
 Strand -
 End 13796
 Method TBLASTX:Soybean
 End 473
 Score 148

Seq. No. 39265
 Gene No. 80995
 Start 1765
 Name OJ000228_07.0410.C9.o2.gp
 Start 1462
 GI 172_1.R1084
 Exons 1462..2143
 GI Descrip. '1841320/dbj|BAA10903| 6.0e-44 (D64038) EL2 [Oryza sativa]'

Seq. ID OJ000228_07.0410.C9
 Strand -
 End 13796
 Method AAT/GAP
 End 2143
 Score 1336

Seq. No. 39265
 Gene No. 80995
 Start 1765
 Name OJ000228_07.0410.C9.o2.gs
 Start 1765
 GI none
 Exons 1765..2094, 2298..2328, 2708..2777, 3662..3774, 4837..5086, 5262..5443, 5520..5743, 6291..6541, 6577..6739, 6745..6789, 6906..6986, 7871..8050, 8056..8116, 11918..12345, 12694..12747, 12884..12908, 12925..12982, 13381..13744

Seq. ID OJ000228_07.0410.C9
 Strand -
 End 13796
 Method GENSCAN
 End 13744
 Score .57

Seq. No. 39265
 Gene No. 80995
 Start 1765

Seq. ID OJ000228_07.0410.C9
 Strand -
 End 13796

Name OJ000228_07.0410.C9.o3.gp
 Start 4624
 GI none
 Exons 4624..5086, 5233..5356

Method AAT/GAP
 End 5356
 Score 1113

Seq. No. 39265
 Gene No. 80995
 Start 1765
 Name OJ000228_07.0410.C9.o1.tm
 Start 4907
 GI none
 Exons 4907..5080, 4916..5092, 5231..5443, 5233..5445, 5234..5473, 5519..5635, 5526..5612, 5639..5797, 5661..5792, 5662..5805

Seq. ID OJ000228_07.0410.C9
 Strand -
 End 13796
 Method TBLASTX:Maize
 End 5805
 Score 177

Seq. No. 39265
 Gene No. 80995
 Start 1765
 Name OJ000228_07.0410.C9.o1.ts
 Start 5371
 GI none
 Exons 5371..5445, 5372..5452, 5519..5629, 5541..5606, 5675..5773, 5679..5771

Seq. ID OJ000228_07.0410.C9
 Strand -
 End 13796
 Method TBLASTX:Soybean
 End 5773
 Score 65

Seq. No. 39265
 Gene No. 80995
 Start 1765
 Name OJ000228_07.0410.C9.o4.gp
 Start 5820
 GI uC-osflcyp031a06b1
 Exons 5820..5850, 5957..6232
 GI Descrip. '5042437/gb|AC007789.1|AC007789 2.0e-15 Oryza sativa BAC T49B20 genomic sequence, complete sequence'

Seq. ID OJ000228_07.0410.C9
 Strand -
 End 13796
 Method AAT/GAP
 End 6232
 Score 477

Seq. No. 39265
 Gene No. 80995
 Start 1765
 Name OJ000228_07.0410.C9.o5.gp
 Start 6234
 GI none
 Exons 6234..6758

Seq. ID OJ000228_07.0410.C9
 Strand -
 End 13796
 Method AAT/GAP
 End 6758
 Score 1030

Seq. No. 39265
 Gene No. 80995
 Start 1765
 Name OJ000228_07.0410.C9.o2.tw
 Start 11590
 GI none
 Exons 11590..11787, 11827..11979, 11878..11976

Seq. ID OJ000228_07.0410.C9
 Strand -
 End 13796
 Method TBLASTX:Wheat
 End 11979
 Score 57

Seq. No. 39265
 Gene No. 80995
 Start 1765
 Name OJ000228_07.0410.C9.o3.tm
 Start 11593
 GI none
 Exons 11593..11778, 11800..12030, 11830..12030, 11831..12031, 12043..12129

Seq. ID OJ000228_07.0410.C9
 Strand -
 End 13796
 Method TBLASTX:Maize
 End 12129
 Score 81

Seq. No.	39265	Seq. ID	OJ000228_07.0410.C9
Gene No.	80995	Strand	-
Start	1765	End	13796
Name	OJ000228_07.0410.C9.o1.tw	Method	TBLASTX:Wheat
Start	13550	End	13796
GI	none	Score	62
Exons	13550..13795, 13551..13643, 13563..13796, 13613..13795		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80996	Strand	+
Start	298	End	1489
Name	OJ000228_07.0410.C10.o1.gs	Method	GENSCAN
Start	298	End	1489
GI	none	Score	.68
Exons	298..389, 916..1064, 1278..1489		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80997	Strand	-
Start	1	End	284
Name	OJ000228_07.0410.C10.o1.np	Method	AAT/NAP
Start	1	End	284
GI	5257261	Score	104
Exons	1..33, 144..284		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o4.np	Method	AAT/NAP
Start	631	End	5770
GI	4510421	Score	102
Exons	631..670, 4755..4873, 5667..5770		
GI Descrip.	(AC006929) unknown protein [Arabidopsis thaliana]		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o2.np	Method	AAT/NAP
Start	1895	End	2105
GI	6069646	Score	153
Exons	1895..2105		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o2.gs	Method	GENSCAN
Start	1911	End	5357
GI	none	Score	.73
Exons	1911..2160, 3044..3143, 3231..3399, 3521..3827, 3920..4465, 4755..4873, 5250..5357		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o1.ts	Method	TBLASTX:Soybean
Start	2794	End	3568
GI	none	Score	97
Exons	2794..2949, 2831..2950, 3041..3127, 3043..3126, 3245..3400, 3247..3399, 3518..3568		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o1.tc	Method	TBLASTX:Cress
Start	2824	End	3426
GI	none	Score	115
Exons	2824..2949, 2837..2950, 3028..3117, 3029..3118, 3223..3426, 3236..3400		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o1.tm	Method	TBLASTX:Maize
Start	2902	End	3402
GI	none	Score	78
Exons	2902..2949, 2903..2950, 3043..3132, 3056..3130, 3245..3400, 3250..3402		

Seq. No.	39266	Seq. ID	OJ000228_07.0410.C10
Gene No.	80998	Strand	-
Start	631	End	5770
Name	OJ000228_07.0410.C10.o3.np	Method	AAT/NAP
Start	3043	End	5765
GI	7406450	Score	450
Exons	3043..3143, 3243..3399, 3503..3827, 3920..4498, 4745..4873, 5667..5765		
GI Descrip.	(AL162875) putative protein [Arabidopsis thaliana]		

Seq. No.	39267	Seq. ID	OJ000228_07.0410.C11
Gene No.	80999	Strand	+
Start	615	End	1321
Name	OJ000228_07.0410.C11.o1.gs	Method	GENSCAN
Start	615	End	1321
GI	none	Score	.87
Exons	615..661, 776..908, 1006..1176, 1301..1321		

Seq. No.	39267	Seq. ID	OJ000228_07.0410.C11
Gene No.	81000	Strand	-
Start	2131	End	3392
Name	OJ000228_07.0410.C11.o1.gp	Method	AAT/GAP
Start	1677	End	3365
GI	none	Score	1763
Exons	1677..1868, 2085..2332, 2762..2880, 2974..3365		

Seq. No.	39267	Seq. ID	OJ000228_07.0410.C11
Gene No.	81000	Strand	-
Start	2131	End	3392
Name	OJ000228_07.0410.C11.o2.gs	Method	GENSCAN

Start	2131	End	3390
GI	none	Score	.98
Exons	2131..2332, 2762..2880, 2974..3390		

Seq. No.	39267	Seq. ID	OJ000228_07.0410.C11
Gene No.	81000	Strand	-
Start	2131	End	3392
Name	OJ000228_07.0410.C11.o1.ts	Method	TBLASTX:Soybean
Start	2142	End	3219
GI	none	Score	206
Exons	2142..2333, 2143..2337, 2149..2334, 2763..2825, 2764..2835, 2958..3218, 2972..2992, 3007..3219, 3007..3219		

Seq. No.	39267	Seq. ID	OJ000228_07.0410.C11
Gene No.	81000	Strand	-
Start	2131	End	3392
Name	OJ000228_07.0410.C11.o1.tm	Method	TBLASTX:Maize
Start	2143	End	3392
GI	none	Score	206
Exons	2143..2337, 2147..2272, 2149..2334, 2763..2825, 2764..2859, 2971..3018, 2972..2992, 3007..3303, 3007..3390, 3033..3392		

Seq. No.	39268	Seq. ID	OJ000228_07.0410.C12
Gene No.	81001	Strand	-
Start	24	End	717
Name	OJ000228_07.0410.C12.o1.gs	Method	GENSCAN
Start	24	End	641
GI	none	Score	.84
Exons	24..641		

Seq. No.	39268	Seq. ID	OJ000228_07.0410.C12
Gene No.	81001	Strand	-
Start	24	End	717
Name	OJ000228_07.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	216	End	717
GI	none	Score	262
Exons	216..344, 219..509, 219..581, 221..583, 528..716, 591..716, 631..717		

Seq. No.	39269	Seq. ID	OJ000228_07.0410.C13
Gene No.	81002	Strand	+
Start	882	End	3754
Name	OJ000228_07.0410.C13.o1.gs	Method	GENSCAN
Start	882	End	3754
GI	none	Score	.66
Exons	882..1044, 1176..1382, 2283..2306, 2384..2530, 2836..2886, 2938..2984, 3647..3754		

Seq. No.	39269	Seq. ID	OJ000228_07.0410.C13
Gene No.	81003	Strand	-
Start	2130	End	2281
Name	OJ000228_07.0410.C13.o2.gp	Method	AAT/GAP
Start	2130	End	2281
GI	2800454	Score	251
Exons	2130..2281		

Seq. No.	39269	Seq. ID	OJ000228_07.0410.C13
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Gene No.	81004	Strand	
Start	2382	End	2828
Name	OJ000228_07.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	2382	End	2828
GI	none	Score	192
Exons	2382..2552, 2383..2547, 2719..2826, 2731..2826, 2751..2828		
Seq. No.	39269	Seq. ID	OJ000228_07.0410.C13
Gene No.	81005	Strand	
Start	3581	End	3761
Name	OJ000228_07.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	3581	End	3761
GI	none	Score	215
Exons	3581..3757, 3584..3757, 3591..3761		
Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.gp	Method	AAT/GAP
Start	3675	End	4769
GI	2595_4.R1084	Score	1916
Exons	3675..4246, 4342..4769		
GI Descrip.	'3258575 7.0e-10 (U89959) Hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o3.tm	Method	TBLASTX:Maize
Start	3848	End	4226
GI	none	Score	124
Exons	3848..3886, 3981..4079, 3982..4074, 4083..4226, 4093..4224		
Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o2.gs	Method	GENSCAN
Start	3946	End	5425
GI	none	Score	.86
Exons	3946..4226, 4342..5425		
Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o2.tw	Method	TBLASTX:Wheat
Start	3978	End	4182
GI	none	Score	253
Exons	3978..4181, 3982..4182		
Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.np	Method	AAT/NAP
Start	3987	End	5488
GI	3258575	Score	1256
Exons	3987..4246, 4342..5488		
GI Descrip.	(U89959) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o3.ts	Method	TBLASTX:Soybean
Start	4044	End	4248
GI	none	Score	137
Exons	4044..4247, 4054..4248		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.ts	Method	TBLASTX:Soybean
Start	4419	End	4669
GI	none	Score	156
Exons	4419..4619, 4421..4669		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o4.tm	Method	TBLASTX:Maize
Start	4421	End	4658
GI	none	Score	162
Exons	4421..4615, 4431..4658		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.tm	Method	TBLASTX:Maize
Start	4683	End	5188
GI	none	Score	102
Exons	4683..4781, 4685..4798, 4811..4867, 4862..5188, 4877..4990, 4878..5186		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.tw	Method	TBLASTX:Wheat
Start	5199	End	5506
GI	none	Score	341
Exons	5199..5489, 5199..5483, 5201..5506		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o2.tm	Method	TBLASTX:Maize
Start	5202	End	5506
GI	none	Score	136
Exons	5202..5483, 5204..5506, 5207..5347, 5208..5483		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o2.ts	Method	TBLASTX:Soybean
Start	5210	End	5468
GI	none	Score	42
Exons	5210..5239, 5210..5296, 5294..5464, 5298..5468		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o1.tc	Method	TBLASTX:Cress
Start	5315	End	5494
GI	none	Score	157
Exons	5315..5494, 5319..5465		

Seq. No.	39270	Seq. ID	OJ000228_07.0410.C14
Gene No.	81006	Strand	-
Start	3946	End	5632
Name	OJ000228_07.0410.C14.o2.gp	Method	AAT/GAP
Start	5331	End	5632
GI	428917	Score	567
Exons	5331..5632		
GI Descrip.	3258575 7.0e-10 (U89959) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39271	Seq. ID	OJ000228_07.0410.C15
Gene No.	81007	Strand	+
Start	1	End	108
Name	OJ000228_07.0410.C15.o1.gp	Method	AAT/GAP
Start	1	End	108
GI	LIB3477-003-P1-K1-E9	Score	169
Exons	1..108		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39272	Seq. ID	OJ000228_07.0410.C16
Gene No.	81008	Strand	+
Start	416	End	565
Name	OJ000228_07.0410.C16.o1.gs	Method	GENSCAN
Start	416	End	565
GI	none	Score	.73
Exons	416..565		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81009	Strand	+
Start	757	End	1376
Name	OJ000308_05.0406.C3.o1.gs	Method	GENSCAN
Start	757	End	1376
GI	none	Score	.54
Exons	757..871, 1361..1376		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81009	Strand	+
Start	757	End	1376
Name	OJ000308_05.0406.C3.o1.gp	Method	AAT/GAP
Start	802	End	1218
GI	3760700	Score	595
Exons	802..871, 949..1218		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81010	Strand	+
Start	3421	End	5092

Name	OJ000308_05.0406.C3.o2.gs	Method	GENSCAN
Start	3421	End	5092
GI	none	Score	.85
Exons	3421..4071, 4165..4450, 4536..5092		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81010	Strand	+
Start	3421	End	5092
Name	OJ000308_05.0406.C3.o2.np	Method	AAT/NAP
Start	3436	End	5089
GI	7140936	Score	1632
Exons	3436..3756, 3790..4071, 4165..4450, 4536..5089		
GI Descrip.	(AF182039) ammonium transporter [Arabidopsis thaliana]		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81011	Strand	+
Start	7563	End	9005
Name	OJ000308_05.0406.C3.o4.gs	Method	GENSCAN
Start	7563	End	8848
GI	none	Score	.79
Exons	7563..7667, 8669..8848		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81011	Strand	+
Start	7563	End	9005
Name	OJ000308_05.0406.C3.o3.np	Method	AAT/NAP
Start	7833	End	9005
GI	6539588	Score	249
Exons	7833..7859, 8575..8848, 8925..9005		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o3.tm	Method	TBLASTX:Maize
Start	527	End	1123
GI	none	Score	181
Exons	527..652, 528..656, 537..659, 755..865, 756..869, 767..874, 950..1123, 953..1123		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o1.tc	Method	TBLASTX:Cress
Start	594	End	881
GI	none	Score	104
Exons	594..656, 596..655, 755..874, 756..881		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o3.tc	Method	TBLASTX:Cress
Start	934	End	1159
GI	none	Score	189
Exons	934..1137, 950..1159		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
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Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o1.ts	Method	TBLASTX:Soybean
Start	3439	End	4464
GI	none	Score	822
Exons	3439..4083, 3459..3794, 3876..4073, 4164..4415, 4165..4206, 4279..4416, 4408..4464		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o1.tm	Method	TBLASTX:Maize
Start	3466	End	3903
GI	none	Score	444
Exons	3466..3903, 3484..3735		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o1.tw	Method	TBLASTX:Wheat
Start	4017	End	4383
GI	none	Score	105
Exons	4017..4073, 4018..4083, 4158..4226, 4164..4382, 4279..4383		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o4.tm	Method	TBLASTX:Maize
Start	4180	End	4467
GI	none	Score	51
Exons	4180..4230, 4182..4223, 4185..4451, 4279..4467, 4330..4467		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o2.tc	Method	TBLASTX:Cress
Start	4191	End	4457
GI	none	Score	169
Exons	4191..4457, 4279..4452		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o2.tm	Method	TBLASTX:Maize
Start	4510	End	4875
GI	none	Score	443
Exons	4510..4875, 4532..4873		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
Gene No.	81012	Strand	-
Start	6605	End	7435
Name	OJ000308_05.0406.C3.o2.ts	Method	TBLASTX:Soybean
Start	4531	End	4773
GI	none	Score	298
Exons	4531..4773, 4532..4771		

Seq. No.	39273	Seq. ID	OJ000308_05.0406.C3
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Gene No. 81012
 Start 6605
 Name OJ000308_05.0406.C3.o3.ts
 Start 4775
 GI none
 Exons 4775..4987, 5063..5140

Strand -
 End 7435
 Method TBLASTX:Soybean
 End 5140
 Score 244

Seq. No. 39273
 Gene No. 81012
 Start 6605
 Name OJ000308_05.0406.C3.o3.gs
 Start 6605
 GI none
 Exons 6605..7435

Seq. ID OJ000308_05.0406.C3
 Strand -
 End 7435
 Method GENSCAN
 End 7435
 Score .89

Seq. No. 39274
 Gene No. 81013
 Start 458
 Name OJ000308_05.0406.C4.o1.gs
 Start 458
 GI none
 Exons 458..601

Seq. ID OJ000308_05.0406.C4
 Strand +
 End 601
 Method GENSCAN
 End 601
 Score .92

Seq. No. 39274
 Gene No. 81014
 Start 1376
 Name OJ000308_05.0406.C4.o2.gs
 Start 1376
 GI none
 Exons 1376..1487, 1958..2085

Seq. ID OJ000308_05.0406.C4
 Strand -
 End 2085
 Method GENSCAN
 End 2085
 Score .65

Seq. No. 39275
 Gene No. 81015
 Start 1931
 Name OJ000308_05.0406.C5.o1.gp
 Start 1931
 GI uC-osflm202108a05b1
 Exons 1931..2357

Seq. ID OJ000308_05.0406.C5
 Strand +
 End 4201
 Method AAT/GAP
 End 2357
 Score 818

GI Descrip. '3395443 1.0e-34 (AC004683) putative ammonium transporter, 3''
 partial [Arabidopsis thaliana]'

Seq. No. 39275
 Gene No. 81015
 Start 1931
 Name OJ000308_05.0406.C5.o1.gs
 Start 1974
 GI none
 Exons 1974..2624, 3178..3463, 3645..4201

Seq. ID OJ000308_05.0406.C5
 Strand +
 End 4201
 Method GENSCAN
 End 4201
 Score 1

Seq. No. 39275
 Gene No. 81015
 Start 1931
 Name OJ000308_05.0406.C5.o1.np
 Start 1989
 GI 7140936
 Exons 1989..2309, 2343..2624, 3178..3463, 3645..4198
 GI Descrip. (AF182039) ammonium transporter [Arabidopsis thaliana]

Seq. ID OJ000308_05.0406.C5
 Strand +
 End 4201
 Method AAT/NAP
 End 4198
 Score 1658

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81016	Strand	+
Start	4679	End	5034
Name	OJ000308_05.0406.C5.o2.gp	Method	AAT/GAP
Start	4679	End	5034
GI	LIB3431-055-P1-N1-B2	Score	672
Exons	4679..5034		
GI Descrip.	'3068705 6.0e-16. (AF049236) unknown [Arabidopsis thaliana]'		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81017	Strand	-
Start	4844	End	7767
Name	OJ000308_05.0406.C5.o2.gs	Method	GENSCAN
Start	4844	End	7767
GI	none	Score	.78
Exons	4844..5041, 6223..6369, 6465..6727, 7533..7767		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81017	Strand	-
Start	4844	End	7767
Name	OJ000308_05.0406.C5.o2.np	Method	AAT/NAP
Start	4847	End	7746
GI	3068705	Score	484
Exons	4847..5041, 6223..6369, 6465..6727, 7590..7746		
GI Descrip.	(AF049236) unknown [Arabidopsis thaliana]		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81018	Strand	-
Start	7945	End	9499
Name	OJ000308_05.0406.C5.o3.np	Method	AAT/NAP
Start	7945	End	9499
GI	140291	Score	151
Exons	7945..8005, 9355..9499		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi 82541 pir S05116 hypothetical protein 185 - rice chloroplast gi 11997 emb CAA33958 (X15901) ORF185 [Oryza sativa] gi 226618 prf 1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81018	Strand	-
Start	7945	End	9499
Name	OJ000308_05.0406.C5.o4.np	Method	AAT/NAP
Start	7980	End	9499
GI	140291	Score	152
Exons	7980..8019, 9352..9499		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi 82541 pir S05116 hypothetical protein 185 - rice chloroplast gi 11997 emb CAA33958 (X15901) ORF185 [Oryza sativa] gi 226618 prf 1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o2.tm	Method	TBLASTX:Maize
Start	2027	End	2458
GI	none	Score	488

Exons 2027..2458, 2028..2456

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o1.ts	Method	TBLASTX:Soybean
Start	2031	End	3489
GI	none	Score	821
Exons	2031..2627, 2033..2626, 3177..3428, 3178..3219, 3292..3429, 3421..3489		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o1.tw	Method	TBLASTX:Wheat
Start	2570	End	3396
GI	none	Score	102
Exons	2570..2626, 2571..2627, 3177..3239, 3177..3395, 3292..3396		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o4.tm	Method	TBLASTX:Maize
Start	3193	End	3465
GI	none	Score	49
Exons	3193..3369, 3195..3236, 3198..3464, 3292..3465		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o1.tc	Method	TBLASTX:Cress
Start	3204	End	3480
GI	none	Score	246
Exons	3204..3479, 3292..3480		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o3.tm	Method	TBLASTX:Maize
Start	3640	End	3984
GI	none	Score	103
Exons	3640..3750, 3640..3834, 3641..3931, 3898..3984		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o3.ts	Method	TBLASTX:Soybean
Start	3640	End	3880
GI	none	Score	213
Exons	3640..3837, 3641..3880		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o2.tw	Method	TBLASTX:Wheat
Start	4814	End	6283
GI	none	Score	53

Exons 4814..4879, 4819..4875, 4845..4880, 4880..4975, 4881..4979,
4882..4977, 4977..5042, 4979..5044, 4982..5044, 6217..6267,
6221..6283

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o1.tm	Method	TBLASTX:Maize
Start	4835	End	8095
GI	none	Score	258
Exons	4835..5044, 4845..5042, 6221..6370, 6221..6370, 6222..6371, 6265..6372, 6457..6729, 6462..6728, 6463..6729, 6533..6757, 7588..7701, 7589..7672, 7652..7717, 7654..7731, 7654..7716, 7890..7931, 7891..7959, 7892..7945, 7942..8040, 7952..8044, 7954..8043, 8060..8086, 8063..8095		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o2.ts	Method	TBLASTX:Soybean
Start	4842	End	7713
GI	none	Score	134
Exons	4842..5042, 4844..5044, 4845..5042, 6220..6372, 6462..6563, 6463..6570, 6585..6728, 6586..6729, 7588..7713		

Seq. No.	39275	Seq. ID	OJ000308_05.0406.C5
Gene No.	81019	Strand	-
Start	11116	End	12014
Name	OJ000308_05.0406.C5.o3.gs	Method	GENSCAN
Start	11116	End	12014
GI	none	Score	.68
Exons	11116..11133, 11769..12014		

Seq. No.	39276	Seq. ID	OJ000308_05.0406.C6
Gene No.	81020	Strand	-
Start	3958	End	4889
Name	OJ000308_05.0406.C6.o1.tm	Method	TBLASTX:Maize
Start	3875	End	4613
GI	none	Score	87
Exons	3875..3904, 3936..4058, 3945..4058, 3947..4465, 3956..4060, 3961..4464, 4485..4613, 4486..4611		

Seq. No.	39276	Seq. ID	OJ000308_05.0406.C6
Gene No.	81020	Strand	-
Start	3958	End	4889
Name	OJ000308_05.0406.C6.o1.np	Method	AAT/NAP
Start	3958	End	4889
GI	6630685	Score	1220
Exons	3958..4889		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	39276	Seq. ID	OJ000308_05.0406.C6
Gene No.	81020	Strand	-
Start	3958	End	4889
Name	OJ000308_05.0406.C6.o1.ts	Method	TBLASTX:Soybean
Start	3973	End	4604

GI none Score 65
Exons 3973..4197, 4022..4189, 4231..4461, 4231..4464, 4238..4465, 4485..4604

Seq. No. 39276 Seq. ID OJ000308_05.0406.C6
Gene No. 81020 Strand -
Start 3958 End 4889
Name OJ000308_05.0406.C6.o1.tc Method TBLASTX:Cress
Start 3976 End 4434
GI none Score 68
Exons 3976..4221, 4028..4195, 4207..4341, 4345..4434

Seq. No. 39276 Seq. ID OJ000308_05.0406.C6
Gene No. 81020 Strand -
Start 3958 End 4889
Name OJ000308_05.0406.C6.o1.tw Method TBLASTX:Wheat
Start 4009 End 4425
GI none Score 57
Exons 4009..4197, 4022..4141, 4216..4425, 4220..4321

Seq. No. 39276 Seq. ID OJ000308_05.0406.C6
Gene No. 81020 Strand -
Start 3958 End 4889
Name OJ000308_05.0406.C6.o2.tm Method TBLASTX:Maize
Start 4614 End 4806
GI none Score 196
Exons 4614..4805, 4615..4806

Seq. No. 39277 Seq. ID OJ000308_05.0406.C7
Gene No. 81021 Strand +
Start 3845 End 6106
Name OJ000308_05.0406.C7.o4.np Method AAT/NAP
Start 3845 End 6106
GI 6721516 Score 560
Exons 3845..4081, 4492..4823, 6076..6106
GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No. 39277 Seq. ID OJ000308_05.0406.C7
Gene No. 81022 Strand -
Start 1 End 3616
Name OJ000308_05.0406.C7.o1.np Method AAT/NAP
Start 1 End 1548
GI 4416302 Score 1436
Exons 1..1548
GI Descrip. (AF105716) copia-type pol polyprotein [Zea mays]

Seq. No. 39277 Seq. ID OJ000308_05.0406.C7
Gene No. 81022 Strand -
Start 1 End 3616
Name OJ000308_05.0406.C7.o1.tm Method TBLASTX:Maize
Start 100 End 960
GI none Score 48
Exons 100..288, 172..210, 271..888, 272..889, 887..934, 889..960

Seq. No. 39277 Seq. ID OJ000308_05.0406.C7
Gene No. 81022 Strand -
Start 1 End 3616

Name	OJ000308_05.0406.C7.o3.tw	Method	TBLASTX:Wheat
Start	283	End	537
GI	none	Score	60
Exons	283..453, 285..443, 307..444, 469..537		
Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616
Name	OJ000308_05.0406.C7.o1.ts	Method	TBLASTX:Soybean
Start	319	End	780
GI	none	Score	55
Exons	319..780, 371..523, 590..709		
Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616
Name	OJ000308_05.0406.C7.o1.tc	Method	TBLASTX:Cress
Start	322	End	735
GI	none	Score	196
Exons	322..735		
Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616
Name	OJ000308_05.0406.C7.o1.tw	Method	TBLASTX:Wheat
Start	622	End	1197
GI	none	Score	124
Exons	622..909, 631..909, 940..1197, 949..1194		
Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616
Name	OJ000308_05.0406.C7.o2.tm	Method	TBLASTX:Maize
Start	965	End	1357
GI	none	Score	155
Exons	965..1237, 967..1233, 1044..1238, 1046..1237, 1226..1357, 1228..1356		
Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616
Name	OJ000308_05.0406.C7.o2.tw	Method	TBLASTX:Wheat
Start	1267	End	1584
GI	none	Score	93
Exons	1267..1584, 1349..1570		
Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616
Name	OJ000308_05.0406.C7.o3.tm	Method	TBLASTX:Maize
Start	1360	End	1720
GI	none	Score	82
Exons	1360..1599, 1367..1495, 1523..1591, 1626..1718, 1628..1720		
Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616

Name	OJ000308_05.0406.C7.o2.ts	Method	TBLASTX:Soybean
Start	1435	End	3616
GI	none	Score	75
Exons	1435..1488, 1513..1578, 1628..1690, 3098..3430, 3494..3616		

Seq. No.	39277	Seq. ID	OJ000308_05.0406.C7
Gene No.	81022	Strand	-
Start	1	End	3616
Name	OJ000308_05.0406.C7.o4.tw	Method	TBLASTX:Wheat
Start	3194	End	3577
GI	none	Score	39
Exons	3194..3436, 3333..3422, 3449..3577, 3494..3577		

Seq. No.	39278	Seq. ID	OJ000308_05.0406.C8
Gene No.	81023	Strand	+
Start	206	End	424
Name	OJ000308_05.0406.C8.o1.gs	Method	GENSCAN
Start	206	End	424
GI	none	Score	.71
Exons	206..424		

Seq. No.	39278	Seq. ID	OJ000308_05.0406.C8
Gene No.	81024	Strand	-
Start	1	End	2424
Name	OJ000308_05.0406.C8.o1.np	Method	AAT/NAP
Start	1	End	2424
GI	2708709	Score	104
Exons	1..287, 418..539, 597..855, 2380..2424		
GI Descrip.	(AF038575) Wiskott-Aldrich Syndrome protein homolog [Schizosaccharomyces pombe]		

Seq. No.	39278	Seq. ID	OJ000308_05.0406.C8
Gene No.	81024	Strand	-
Start	1	End	2424
Name	OJ000308_05.0406.C8.o2.gs	Method	GENSCAN
Start	731	End	879
GI	none	Score	.94
Exons	731..879		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81025	Strand	+
Start	13308	End	13943
Name	OJ000308_05.0406.C9.o2.gs	Method	GENSCAN
Start	13308	End	13877
GI	none	Score	.98
Exons	13308..13877		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81025	Strand	+
Start	13308	End	13943
Name	OJ000308_05.0406.C9.o2.np	Method	AAT/NAP
Start	13324	End	13943
GI	3790573	Score	190
Exons	13324..13477, 13544..13943		
GI Descrip.	(AF078824) RING-H2 finger protein RHA3a [Arabidopsis thaliana] gi 4914367 gb AAD32903.1 AC007584_1 (AC007584) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81026	Strand	+
Start	31409	End	37588
Name	OJ000308_05.0406.C9.o5.gs	Method	GENSCAN
Start	31409	End	37588
GI	none	Score	.62
Exons	31409..31425, 31729..31860, 32040..32092, 33303..33491, 33598..33679, 33769..33933, 34189..35161, 35742..36043, 37103..37301, 37478..37588		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81027	Strand	+
Start	38337	End	38466
Name	OJ000308_05.0406.C9.o6.gs	Method	GENSCAN
Start	38337	End	38466
GI	none	Score	.81
Exons	38337..38410, 38454..38466		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81028	Strand	+
Start	42509	End	42771
Name	OJ000308_05.0406.C9.o2.gp	Method	AAT/GAP
Start	42509	End	42771
GI	2276034	Score	230
Exons	42509..42580, 42687..42771		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81029	Strand	-
Start	3003	End	4773
Name	OJ000308_05.0406.C9.o1.np	Method	AAT/NAP
Start	3003	End	4773
GI	6523044	Score	152
Exons	3003..3094, 3172..3398, 4738..4773		
GI Descrip.	(AL132976) putative protein [Arabidopsis thaliana]		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81030	Strand	-
Start	16349	End	23222
Name	OJ000308_05.0406.C9.o3.gs	Method	GENSCAN
Start	16349	End	23197
GI	none	Score	.64
Exons	16349..16483, 17041..17127, 17802..18159, 21415..21554, 21607..21879, 22201..22372, 22521..23197		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81030	Strand	-
Start	16349	End	23222
Name	OJ000308_05.0406.C9.o3.np	Method	AAT/NAP
Start	17808	End	23113
GI	6598934	Score	1041
Exons	17808..18159, 21415..21545, 21652..21887, 22209..22372, 22521..22696, 22961..23113		
GI Descrip.	(AC018721) unknown protein [Arabidopsis thaliana]		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81030	Strand	-

Start	16349	End	23222
Name	OJ000308_05.0406.C9.o1.gp	Method	AAT/GAP
Start	22941	End	23222
GI	568939	Score	545
Exons	22941..23222		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81031	Strand	-
Start	25930	End	31035
Name	OJ000308_05.0406.C9.o4.gs	Method	GENSCAN
Start	25930	End	31035
GI	none	Score	.47
Exons	25930..26117, 27224..27412, 29260..29343, 29345..29440, 29808..30178, 30434..30573, 31000..31035		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o7.ts	Method	TBLASTX:Soybean
Start	3249	End	3401
GI	none	Score	76
Exons	3249..3401, 3250..3324, 3351..3389		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o1.ts	Method	TBLASTX:Soybean
Start	17811	End	21729
GI	none	Score	213
Exons	17811..18029, 17815..18015, 18027..18155, 18037..18156, 21414..21545, 21415..21546, 21667..21729		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o2.tm	Method	TBLASTX:Maize
Start	17811	End	22344
GI	none	Score	187
Exons	17811..18017, 17821..18015, 18033..18161, 18106..18165, 21358..21573, 21417..21572, 21665..21880, 21682..21882, 22204..22344, 22211..22342		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o3.tc	Method	TBLASTX:Cress
Start	21414	End	21871
GI	none	Score	172
Exons	21414..21545, 21677..21871, 21679..21870		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o2.tw	Method	TBLASTX:Wheat
Start	21683	End	22564
GI	none	Score	200
Exons	21683..21880, 21685..21885, 22238..22381, 22243..22374,		

22517..22564, 22521..22562

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o4.tm	Method	TBLASTX:Maize
Start	22397	End	22724
GI	none	Score	191
Exons	22397..22492, 22515..22724, 22515..22637, 22517..22711		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o6.ts	Method	TBLASTX:Soybean
Start	22539	End	22697
GI	none	Score	146
Exons	22539..22697, 22541..22696		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o7.tm	Method	TBLASTX:Maize
Start	44424	End	44810
GI	none	Score	125
Exons	44424..44504, 44599..44685, 44603..44635, 44618..44674, 44637..44690, 44739..44771, 44760..44810		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o8.tm	Method	TBLASTX:Maize
Start	44862	End	45065
GI	none	Score	194
Exons	44862..45065, 44885..45025		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o3.ts	Method	TBLASTX:Soybean
Start	45048	End	45287
GI	none	Score	268
Exons	45048..45275, 45080..45286, 45087..45287		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o1.tm	Method	TBLASTX:Maize
Start	45070	End	45551
GI	none	Score	56
Exons	45070..45159, 45075..45161, 45080..45163, 45158..45286, 45159..45278, 45269..45526, 45270..45542, 45280..45543, 45280..45531, 45282..45551		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o1.tw	Method	TBLASTX:Wheat

Start 45075
 GI none
 Exons 45075..45281, 45077..45283

End 45283
 Score 378

Seq. No. 39279
 Gene No. 81032
 Start 48725
 Name OJ000308_05.0406.C9.o4.tc
 Start 45096
 GI none
 Exons 45096..45287, 45098..45271

Seq. ID OJ000308_05.0406.C9
 Strand -
 End 52656
 Method TBLASTX:Cress
 End 45287
 Score 251

Seq. No. 39279
 Gene No. 81032
 Start 48725
 Name OJ000308_05.0406.C9.o6.tm
 Start 45781
 GI none
 Exons 45781..46092, 45783..45977, 45928..46095, 46028..46096

Seq. ID OJ000308_05.0406.C9
 Strand -
 End 52656
 Method TBLASTX:Maize
 End 46096
 Score 220

Seq. No. 39279
 Gene No. 81032
 Start 48725
 Name OJ000308_05.0406.C9.o3.gp
 Start 48602
 GI 2352_1.R1084
 Exons 48602..48877, 48963..49142,
 GI Descrip. '3420052 2.0e-81 (AC004680) putative ubiquinone reductase [Arabidopsis thaliana]'

Seq. ID OJ000308_05.0406.C9
 Strand -
 End 52656
 Method AAT/GAP
 End 50474
 Score 1312

Seq. No. 39279
 Gene No. 81032
 Start 48725
 Name OJ000308_05.0406.C9.o1.tc
 Start 48725
 GI none
 Exons 48725..48889, 48725..48880, 48952..49044, 48954..49043, 49045..49161, 49061..49198

Seq. ID OJ000308_05.0406.C9
 Strand -
 End 52656
 Method TBLASTX:Cress
 End 49198
 Score 204

Seq. No. 39279
 Gene No. 81032
 Start 48725
 Name OJ000308_05.0406.C9.o8.gs
 Start 48725
 GI none
 Exons 48725..48877, 49899..50013, 50290..50453, 50600. 5, 50744..50904, 51250..51466, 52174..52617

Seq. ID OJ000308_05.0406.C9
 Strand -
 End 52656
 Method GENSCAN
 End 52617
 Score .91

Seq. No. 39279
 Gene No. 81032
 Start 48725
 Name OJ000308_05.0406.C9.o2.ts
 Start 48725
 GI none
 Exons 48725..48880, 48729..48878, 48957..49058, 48958..49065

Seq. ID OJ000308_05.0406.C9
 Strand -
 End 52656
 Method TBLASTX:Soybean
 End 49065
 Score 183

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o4.np	Method	AAT/NAP
Start	48728	End	52656
GI	7432659	Score	1647
Exons	48728..48877, 48963..49142, 49899..50013, 50290..50453, 50600..50665, 50744..50904, 51250..51466, 52174..52656		
GI Descrip.	hypothetical protein F23F1.9 - Arabidopsis thaliana gi 3420052 gb AAC31853.1 (AC004680) putative NADH dehydrogenase (ubiquinone oxidoreductase) [Arabidopsis thaliana]		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o5.tm	Method	TBLASTX:Maize
Start	48827	End	49151
GI	none	Score	84
Exons	48827..48880, 48828..48878, 48962..48997, 48963..48998, 49002..49043, 49003..49044, 49044..49151, 49045..49143		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o2.tc	Method	TBLASTX:Cress
Start	50275	End	50914
GI	none	Score	185
Exons	50275..50454, 50289..50462, 50589..50666, 50600..50680, 50732..50914, 50736..50906		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o4.ts	Method	TBLASTX:Soybean
Start	50319	End	51383
GI	none	Score	131
Exons	50319..50462, 50335..50454, 50339..50458, 50589..50666, 50600..50689, 50608..50673, 50732..50905, 50736..50777, 50743..50889, 50796..50951, 51230..51376, 51230..51382, 51246..51383, 51252..51383		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o3.tw	Method	TBLASTX:Wheat
Start	52169	End	52348
GI	none	Score	237
Exons	52169..52348, 52171..52347		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o3.tm	Method	TBLASTX:Maize
Start	52247	End	52522
GI	none	Score	331
Exons	52247..52522, 52249..52521		

Seq. No.	39279	Seq. ID	OJ000308_05.0406.C9
Gene No.	81032	Strand	-
Start	48725	End	52656
Name	OJ000308_05.0406.C9.o5.ts	Method	TBLASTX:Soybean
Start	52276	End	52468
GI	none	Score	90
Exons	52276..52365, 52276..52467, 52283..52468		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81033	Strand	+
Start	397	End	6739
Name	OJ000308_05.0406.C10.o1.np	Method	AAT/NAP
Start	397	End	3094
GI	4115931	Score	1859
Exons	397..1847, 2879..3094		
GI Descrip.	(AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81033	Strand	+
Start	397	End	6739
Name	OJ000308_05.0406.C10.o1.gs	Method	GENSCAN
Start	432	End	6739
GI	none	Score	.44
Exons	432..1847, 4015..4119, 4208..4759, 4861..4958, 5044..5178, 5327..5516, 5621..6739		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81033	Strand	+
Start	397	End	6739
Name	OJ000308_05.0406.C10.o1.gp	Method	AAT/GAP
Start	906	End	1308
GI	uC-osflcyp044f01b1	Score	702
Exons	906..1308		
GI Descrip.	'4115931/gb AAD03441.1 6.0e-45 (AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]'		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81033	Strand	+
Start	397	End	6739
Name	OJ000308_05.0406.C10.o2.np	Method	AAT/NAP
Start	4191	End	6727
GI	5733874	Score	1429
Exons	4191..4481, 4593..4759, 4861..4958, 5044..5178, 5327..5516, 5624..6727		
GI Descrip.	(AC007932) F11A17.8 [Arabidopsis thaliana]		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81034	Strand	-
Start	2923	End	3383
Name	OJ000308_05.0406.C10.o2.gp	Method	AAT/GAP
Start	2923	End	3383
GI	LIB3431-011-P1-N1-F11	Score	918
Exons	2923..3383		
GI Descrip.	'4115931/gb AAD03441.1 2.0e-18 (AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis		

thaliana]'

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81035	Strand	-
Start	6598	End	6913
Name	OJ000308_05.0406.C10.o3.gp	Method	AAT/GAP
Start	6598	End	6913
GI	uC-osf1M2020116g11a1	Score	620
Exons	6598..6913		
GI Descrip.	'5803272/dbj BAA83582.1 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o1.tm	Method	TBLASTX:Maize
Start	554	End	1775
GI	none	Score	58
Exons	554..643, 564..638, 596..850, 621..899, 833..1612, 834..1613, 1141..1617, 1613..1774, 1614..1775		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o4.tc	Method	TBLASTX:Cress
Start	654	End	869
GI	none	Score	220
Exons	654..869, 662..868		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o4.ts	Method	TBLASTX:Soybean
Start	662	End	953
GI	none	Score	336
Exons	662..883, 669..953		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o1.ts	Method	TBLASTX:Soybean
Start	953	End	3160
GI	none	Score	1303
Exons	953..1345, 954..1850, 1062..1490, 1177..1851, 1409..1858, 1409..1849, 2876..3097, 2902..3096, 2946..3107, 3089..3160		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o2.tc	Method	TBLASTX:Cress
Start	1378	End	3097
GI	none	Score	46
Exons	1378..1470, 1401..1850, 1409..1837, 1516..1851, 1587..1850, 2876..3097, 2899..3096		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o4.tm	Method	TBLASTX:Maize
Start	1788	End	3207
GI	none	Score	105
Exons	1788..1850, 1790..1849, 2876..3127, 2876..3097, 2877..3143, 2878..3144, 3153..3194, 3154..3207		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o6.tm	Method	TBLASTX:Maize
Start	4120	End	5146
GI	none	Score	239
Exons	4120..4482, 4181..4483, 4640..4762, 4669..4758, 4851..4958, 4864..4959, 5047..5145, 5087..5146		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o5.ts	Method	TBLASTX:Soybean
Start	4175	End	5695
GI	none	Score	40
Exons	4175..4237, 4210..4482, 4298..4483, 4591..4638, 4673..4762, 4864..4956, 4881..4955, 5090..5119, 5120..5170, 5313..5549, 5339..5521, 5621..5695, 5623..5694		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o5.tc	Method	TBLASTX:Cress
Start	4210	End	4462
GI	none	Score	194
Exons	4210..4461, 4298..4462		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o6.tc	Method	TBLASTX:Cress
Start	4516	End	4959
GI	none	Score	38
Exons	4516..4536, 4658..4762, 4672..4758, 4851..4955, 4864..4959		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o7.tm	Method	TBLASTX:Maize
Start	5324	End	5549
GI	none	Score	65
Exons	5324..5518, 5324..5518, 5328..5549		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o3.tm	Method	TBLASTX:Maize
Start	5642	End	6613

GI	none	Score	59
Exons	5642..5707, 5752..5886, 5756..6613, 5974..6240, 6305..6607		
Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o3.ts	Method	TBLASTX:Soybean
Start	5726	End	6721
GI	none	Score	137
Exons	5726..5896, 5954..6244, 5956..6240, 6275..6331, 6443..6721, 6445..6693		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o3.tc	Method	TBLASTX:Cress
Start	5953	End	6676
GI	none	Score	87
Exons	5953..5994, 5954..6070, 6049..6231, 6053..6241, 6260..6331, 6326..6373, 6443..6676, 6445..6669		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o1.tw	Method	TBLASTX:Wheat
Start	6326	End	6721
GI	none	Score	53
Exons	6326..6412, 6443..6721, 6445..6693		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o1.tc	Method	TBLASTX:Cress
Start	7401	End	8096
GI	none	Score	332
Exons	7401..8096, 7411..7833, 7500..8096		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o2.gs	Method	GENSCAN
Start	7401	End	8050
GI	none	Score	.93
Exons	7401..8050		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o5.tm	Method	TBLASTX:Maize
Start	7404	End	7610
GI	none	Score	228
Exons	7404..7610, 7405..7608		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o2.ts	Method	TBLASTX:Soybean

Start	7410	End	8096
GI	none	Score	342
Exons	7410..8096, 7411..7833, 7894..8094		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o3.np	Method	AAT/NAP
Start	7410	End	8096
GI	5123836	Score	986
Exons	7410..8096		
GI Descrip.	(AJ006974) NAD-malate dehydrogenase [Nicotiana tabacum]		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o2.tw	Method	TBLASTX:Wheat
Start	7428	End	7721
GI	none	Score	109
Exons	7428..7511, 7498..7719, 7530..7721		

Seq. No.	39280	Seq. ID	OJ000308_05.0406.C10
Gene No.	81036	Strand	-
Start	7401	End	8096
Name	OJ000308_05.0406.C10.o2.tm	Method	TBLASTX:Maize
Start	7611	End	8096
GI	none	Score	563
Exons	7611..8096, 7611..8096		

Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900
Name	OJ000308_05.0406.C11.o1.np	Method	AAT/NAP
Start	1	End	900
GI	5123836	Score	459
Exons	1..436, 789..900		
GI Descrip.	(AJ006974) NAD-malate dehydrogenase [Nicotiana tabacum]		

Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900
Name	OJ000308_05.0406.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	540
GI	none	Score	475
Exons	1..393, 1..330, 3..368, 406..444, 408..509, 408..503, 409..540		

Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900
Name	OJ000308_05.0406.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	285
GI	none	Score	310
Exons	1..285, 1..279, 3..284		

Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900

Name	OJ000308_05.0406.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	291
GI	none	Score	306
Exons	1..291, 1..285, 3..290		
Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900
Name	OJ000308_05.0406.C11.o1.tw	Method	TBLASTX:Wheat
Start	4	End	278
GI	none	Score	154
Exons	4..276, 6..278		
Seq. No.	39281	Seq. ID	OJ000308_05.0406.C11
Gene No.	81037	Strand	-
Start	1	End	900
Name	OJ000308_05.0406.C11.o1.gs	Method	GENSCAN
Start	77	End	503
GI	none	Score	.87
Exons	77..503		
Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81038	Strand	+
Start	124	End	4215
Name	OJ000228_06.0406.C2.o1.gs	Method	GENSCAN
Start	124	End	3271
GI	none	Score	.65
Exons	124..163, 1194..1337, 1861..2075, 2930..3271		
Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81038	Strand	+
Start	124	End	4215
Name	OJ000228_06.0406.C2.o2.np	Method	AAT/NAP
Start	1959	End	4215
GI	5803248	Score	346
Exons	1959..2075, 4123..4215		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81039	Strand	-
Start	951	End	1727
Name	OJ000228_06.0406.C2.o1.np	Method	AAT/NAP
Start	951	End	1727
GI	5803247	Score	450
Exons	951..1069, 1189..1267, 1441..1502, 1655..1727		
GI Descrip.	(AP000399) similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		
Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81040	Strand	-
Start	4084	End	5066
Name	OJ000228_06.0406.C2.o2.gs	Method	GENSCAN
Start	4084	End	5066
GI	none	Score	.64
Exons	4084..4276, 4984..5066		
Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2

Gene No.	81041	Strand	-
Start	6047	End	6601
Name	OJ000228_06.0406.C2.o2.gp	Method	AAT/GAP
Start	5704	End	6601
GI	74_4.R1084	Score	590
Exons	5704..5733, 5975..6204, 6322..6383, 6535..6601		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81041	Strand	-
Start	6047	End	6601
Name	OJ000228_06.0406.C2.o3.np	Method	AAT/NAP
Start	5986	End	6601
GI	5803249	Score	528
Exons	5986..6204, 6322..6383, 6535..6601		
GI Descrip.	(AP000399) EST C97982(C0324) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81041	Strand	-
Start	6047	End	6601
Name	OJ000228_06.0406.C2.o3.gs	Method	GENSCAN
Start	6047	End	6601
GI	none	Score	.99
Exons	6047..6204, 6255..6383, 6535..6601		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81042	Strand	-
Start	10265	End	10868
Name	OJ000228_06.0406.C2.o1.tm	Method	TBLASTX:Maize
Start	975	End	10755
GI	none	Score	281
Exons	975..1085, 1420..1503, 5915..6202, 5975..6202, 5983..6204, 6049..6204, 6530..6601, 6536..6601, 6540..6641, 10182..10268, 10199..10420, 10201..10446, 10202..10420, 10683..10751, 10694..10741, 10696..10755, 10700..10753		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81042	Strand	-
Start	10265	End	10868
Name	OJ000228_06.0406.C2.o4.np	Method	AAT/NAP
Start	10204	End	10758
GI	5803250	Score	524
Exons	10204..10422, 10524..10585, 10695..10758		
GI Descrip.	(AP000399) EST AU077941(C12908) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81042	Strand	-
Start	10265	End	10868
Name	OJ000228_06.0406.C2.o4.gs	Method	GENSCAN
Start	10265	End	10770
GI	none	Score	.59
Exons	10265..10488, 10524..10585, 10695..10770		

Seq. No.	39282	Seq. ID	OJ000228_06.0406.C2
Gene No.	81042	Strand	-
Start	10265	End	10868
Name	OJ000228_06.0406.C2.o3.gp	Method	AAT/GAP
Start	10329	End	10868
GI	74_6.R1084	Score	589
Exons	10329..10422, 10524..10585, 10695..10868		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 1.0e-125 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	39283	Seq. ID	OJ000228_06.0406.C3
Gene No.	81043	Strand	+
Start	5691	End	7425
Name	OJ000228_06.0406.C3.o2.np	Method	AAT/NAP
Start	5691	End	7425
GI	5803252	Score	451
Exons	5691..5724, 7177..7425		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39283	Seq. ID	OJ000228_06.0406.C3
Gene No.	81044	Strand	-
Start	3668	End	7075
Name	OJ000228_06.0406.C3.o1.np	Method	AAT/NAP
Start	3553	End	4622
GI	5803251	Score	772
Exons	3553..3720, 3783..3833, 4087..4339, 4594..4622		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39283	Seq. ID	OJ000228_06.0406.C3
Gene No.	81044	Strand	-
Start	3668	End	7075
Name	OJ000228_06.0406.C3.o1.gs	Method	GENSCAN
Start	3668	End	7075
GI	none	Score	.74
Exons	3668..3720, 3783..4339, 4800..5123, 6015..6098, 6400..6559, 6913..7075		

Seq. No.	39283	Seq. ID	OJ000228_06.0406.C3
Gene No.	81044	Strand	-
Start	3668	End	7075
Name	OJ000228_06.0406.C3.o1.tm	Method	TBLASTX:Maize
Start	6369	End	6560
GI	none	Score	93
Exons	6369..6518, 6398..6451, 6451..6558, 6453..6560, 6453..6560		

Seq. No.	39284	Seq. ID	OJ000228_06.0406.C4
Gene No.	81045	Strand	+
Start	539	End	2388
Name	OJ000228_06.0406.C4.o1.gs	Method	GENSCAN
Start	539	End	2355
GI	none	Score	.69
Exons	539..649, 942..1066, 1147..1413, 1566..1575, 2275..2355		

Seq. No.	39284	Seq. ID	OJ000228_06.0406.C4
Gene No.	81045	Strand	+
Start	539	End	2388

Name OJ000228_06.0406.C4.o1.np Method AAT/NAP
 Start 565 End 2388
 GI 5803253 Score 862
 Exons 565..649, 942..1066, 1147..1413, 2275..2388
 GI Descrip. (AP000399) ESTs AU068856(C50756), AU077979(C61370) correspond to
 a region of the predicted gene; similar to serine protease
 (AF097709) [Oryza sativa]

Seq. No. 39285 Seq. ID OJ000228_06.0406.C5
 Gene No. 81046 Strand +
 Start 1 End 6508
 Name OJ000228_06.0406.C5.o1.np Method AAT/NAP
 Start 1 End 857
 GI 5803253 Score 513
 Exons 1..186, 295..428, 674..857
 GI Descrip. (AP000399) ESTs AU068856(C50756), AU077979(C61370) correspond to
 a region of the predicted gene; similar to serine protease
 (AF097709) [Oryza sativa]

Seq. No. 39285 Seq. ID OJ000228_06.0406.C5
 Gene No. 81046 Strand +
 Start 1 End 6508
 Name OJ000228_06.0406.C5.o2.np Method AAT/NAP
 Start 1 End 2036
 GI 4895185 Score 319
 Exons 1..20, 1176..1293, 1420..1603, 1691..1824, 1955..2036
 GI Descrip. (AC007661) unknown protein [Arabidopsis thaliana]

Seq. No. 39285 Seq. ID OJ000228_06.0406.C5
 Gene No. 81046 Strand +
 Start 1 End 6508
 Name OJ000228_06.0406.C5.o1.gs Method GENSCAN
 Start 295 End 6508
 GI none Score .73
 Exons 295..428, 674..855, 1179..1293, 1420..1603, 2834..2945,
 3775..3875, 4365..4717, 4807..4924, 4971..5204, 5290..5436,
 5532..5849, 6314..6508

Seq. No. 39285 Seq. ID OJ000228_06.0406.C5
 Gene No. 81046 Strand +
 Start 1 End 6508
 Name OJ000228_06.0406.C5.o3.np Method AAT/NAP
 Start 2131 End 5234
 GI 6069671 Score 84
 Exons 2131..2160, 3624..3725, 5184..5234
 GI Descrip. (AP000616) EST C72179(E1153) corresponds to a region of the
 predicted gene.; similar to Arabidopsis thaliana chromosome II
 BAC T4C15; hypothetical protein (AC004667) [Oryza sativa]

Seq. No. 39285 Seq. ID OJ000228_06.0406.C5
 Gene No. 81046 Strand +
 Start 1 End 6508
 Name OJ000228_06.0406.C5.o2.gp Method AAT/GAP
 Start 4362 End 4781
 GI 71486_1.R1084 Score 747
 Exons 4362..4781
 GI Descrip. '5803254/dbj|BAA83564.1| 3.0e-35 (AP000399) ESTs

C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084)
correspond to a region of the predicted gene; hypothetical
protein [Oryza sativa]'

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81046	Strand	+
Start	1	End	6508
Name	OJ000228_06.0406.C5.o4.np	Method	AAT/NAP
Start	4398	End	5909
GI	5803254	Score	2259
Exons	4398..5204, 5290..5436, 5532..5909		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81046	Strand	+
Start	1	End	6508
Name	OJ000228_06.0406.C5.o3.gp	Method	AAT/GAP
Start	4755	End	5161
GI	6062534	Score	750
Exons	4755..5161		
GI Descrip.	5803254/dbj BAA83564.1 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81046	Strand	+
Start	1	End	6508
Name	OJ000228_06.0406.C5.o4.gp	Method	AAT/GAP
Start	5290	End	6122
GI	15799_1.R1084	Score	1158
Exons	5290..5436, 5532..6122		
GI Descrip.	'5803254/dbj BAA83564.1 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81047	Strand	-
Start	1960	End	2220
Name	OJ000228_06.0406.C5.o1.gp	Method	AAT/GAP
Start	1960	End	2220
GI	3106613	Score	480
Exons	1960..2220		
GI Descrip.	5803242/dbj AP000399.1 AP000399 1.0e-125 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o1.tm	Method	TBLASTX:Maize
Start	1178	End	2243
GI	none	Score	45
Exons	1178..1201, 1250..1291, 1410..1541, 1418..1543, 1419..1541, 1522..1608, 1523..1552, 1526..1612, 1527..1595, 1561..1602,		

1688..1786, 1688..1780, 1689..1781, 1690..1794, 1782..1805,
1897..2052, 1897..2070, 1913..2059, 2121..2150, 2214..2243

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o1.ts	Method	TBLASTX:Soybean
Start	1690	End	2052
GI	none	Score	129
Exons	1690..1800, 1691..1786, 1782..1805, 1909..2052, 1912..2040		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o3.tm	Method	TBLASTX:Maize
Start	4820	End	5442
GI	none	Score	198
Exons	4820..5047, 4827..5042, 4854..5054, 5112..5198, 5124..5198, 5129..5212, 5298..5327, 5298..5342, 5299..5352, 5361..5441, 5363..5425, 5368..5442		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o5.gp	Method	AAT/GAP
Start	6898	End	8030
GI	74_3.R1084	Score	1491
Exons	6898..7418, 7593..7654, 7778..8030		
GI Descrip.	'3763845/dbj BAA33813 9.0e-50 (AB018375) early nodulin [Oryza sativa] >gi_3763847_dbj BAA33814_ (AB018376) early nodulin [Oryza sativa] >gi_5803255_dbj BAA83565.1_ (AP000399) ESTs C98096(C0688),C98097(C0688) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o2.tm	Method	TBLASTX:Maize
Start	7198	End	7835
GI	none	Score	55
Exons	7198..7239, 7202..7237, 7234..7416, 7236..7418, 7239..7418, 7779..7835, 7784..7834		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o5.np	Method	AAT/NAP
Start	7201	End	7841
GI	3763845	Score	503
Exons	7201..7418, 7593..7654, 7778..7841		
GI Descrip.	(AB018375) early nodulin [Oryza sativa] gi 3763847 dbj BAA33814 (AB018376) early nodulin [Oryza sativa] gi 5803255 dbj BAA83565.1 (AP000399) ESTs C98096(C0688),C98097(C0688) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	39285	Seq. ID	OJ000228_06.0406.C5
Gene No.	81048	Strand	-
Start	6898	End	8030
Name	OJ000228_06.0406.C5.o2.gs	Method	GENSCAN
Start	7261	End	7841
GI	none	Score	.79
Exons	7261..7418, 7466..7525, 7778..7841		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81049	Strand	+
Start	1254	End	2364
Name	OJ000228_06.0406.C6.o1.gs	Method	GENSCAN
Start	1254	End	2364
GI	none	Score	.4
Exons	1254..1317, 2342..2364		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81050	Strand	+
Start	16741	End	20000
Name	OJ000228_06.0406.C6.o5.np	Method	AAT/NAP
Start	16741	End	19997
GI	5803259	Score	.5330
Exons	16741..18002, 18098..19997		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81050	Strand	+
Start	16741	End	20000
Name	OJ000228_06.0406.C6.o6.gs	Method	GENSCAN
Start	16741	End	20000
GI	none	Score	.99
Exons	16741..18002, 18098..20000		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81051	Strand	+
Start	26861	End	27536
Name	OJ000228_06.0406.C6.o7.np	Method	AAT/NAP
Start	26861	End	27536
GI	5922623	Score	192
Exons	26861..26945, 27327..27536		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81052	Strand	-
Start	1	End	89
Name	OJ000228_06.0406.C6.o1.gp	Method	AAT/GAP
Start	1	End	89
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	1..89		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
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Gene No.	81053	Strand	-
Start	4237	End	6744
Name	OJ000228_06.0406.C6.o1.np	Method	AAT/NAP
Start	3247	End	4591
GI	6630699	Score	86
Exons	3247..3326, 4562..4591		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81053	Strand	-
Start	4237	End	6744
Name	OJ000228_06.0406.C6.o4.gp	Method	AAT/GAP
Start	4081	End	4882
GI	74_1.R1084	Score	1162
Exons	4081..4458, 4553..4614, 4701..4882		
GI Descrip.	'5803256/dbj BAA83566.1 2.0e-46 (AP000399) ESTs C98280(C1391),D15843(C1391) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81053	Strand	-
Start	4237	End	6744
Name	OJ000228_06.0406.C6.o2.gs	Method	GENSCAN
Start	4237	End	6744
GI	none	Score	.76
Exons	4237..4458, 4553..4614, 4701..4782, 5720..5824, 6349..6496, 6512..6744		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81053	Strand	-
Start	4237	End	6744
Name	OJ000228_06.0406.C6.o2.np	Method	AAT/NAP
Start	4240	End	4764
GI	5803256	Score	521
Exons	4240..4458, 4553..4614, 4701..4764		
GI Descrip.	(AP000399) ESTs C98280(C1391),D15843(C1391) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81054	Strand	-
Start	7108	End	7918
Name	OJ000228_06.0406.C6.o5.gp	Method	AAT/GAP
Start	7108	End	7918
GI	74_4.R1084	Score	1094
Exons	7108..7461, 7576..7637, 7748..7918		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81054	Strand	-
Start	7108	End	7918
Name	OJ000228_06.0406.C6.o3.gs	Method	GENSCAN
Start	7240	End	7814

GI	none	Score	.98
Exons	7240..7461, 7576..7637, 7748..7814		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81054	Strand	-
Start	7108	End	7918
Name	OJ000228_06.0406.C6.o3.np	Method	AAT/NAP
Start	7285	End	7916
GI	4809191	Score	605
Exons	7285..7461, 7576..7637, 7748..7916		
GI Descrip.	(AF140229) early nodulin [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81055	Strand	-
Start	11001	End	15579
Name	OJ000228_06.0406.C6.o6.gp	Method	AAT/GAP
Start	11001	End	11842
GI	74_2.R1084	Score	1160
Exons	11001..11380, 11508..11569, 11675..11842		
GI Descrip.	'5803258/dbj BAA83568.1 8.0e-50 (AP000399) EST AU077972 (C53511) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81055	Strand	-
Start	11001	End	15579
Name	OJ000228_06.0406.C6.o5.gs	Method	GENSCAN
Start	11159	End	15579
GI	none	Score	.62
Exons	11159..11380, 11508..11569, 11675..11779, 13270..13332, 13416..13491, 15081..15251, 15493..15579		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81055	Strand	-
Start	11001	End	15579
Name	OJ000228_06.0406.C6.o4.np	Method	AAT/NAP
Start	11162	End	11738
GI	5803258	Score	521
Exons	11162..11380, 11508..11569, 11675..11738		
GI Descrip.	(AP000399) EST AU077972 (C53511) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81056	Strand	-
Start	20008	End	20469
Name	OJ000228_06.0406.C6.o7.gp	Method	AAT/GAP
Start	20008	End	20469
GI	2428323	Score	858
Exons	20008..20469		
GI Descrip.	5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o2.tm	Method	TBLASTX:Maize

Start	4235	End	11733
GI	none	Score	281
Exons	4235..4456, 4237..4458, 4237..4458, 4559..4615, 4702..4761, 4702..4761, 7209..7337, 7232..7459, 7240..7461, 7241..7459, 7243..7488, 7749..7814, 7750..7815, 7751..7813, 11159..11389, 11160..11378, 11676..11732, 11680..11733, 11681..11731		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o2.tw	Method	TBLASTX:Wheat
Start	19246	End	23778
GI	none	Score	55
Exons	19246..19344, 23359..23565, 23366..23539, 23547..23777, 23556..23675, 23557..23778		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o7.gs	Method	GENSCAN
Start	20629	End	27392
GI	none	Score	.5
Exons	20629..23554, 23665..24356, 24420..24772, 24803..25529, 25614..26801, 26858..27064, 27306..27392		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o6.np	Method	AAT/NAP
Start	20632	End	26783
GI	7228457	Score	9443
Exons	20632..22182, 22249..23400, 23523..24356, 24420..26355, 26417..26783		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o7.tw	Method	TBLASTX:Wheat
Start	20641	End	21243
GI	none	Score	81
Exons	20641..20766, 20645..20767, 20947..21243, 20960..21103, 21140..21238, 21168..21239		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o4.tw	Method	TBLASTX:Wheat
Start	21244	End	21625
GI	none	Score	163
Exons	21244..21624, 21275..21523, 21569..21625		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392

Name	OJ000228_06.0406.C6.o3.tm	Method	TBLASTX:Maize
Start	21454	End	21762
GI	none	Score	198
Exons	21454..21762, 21455..21733		
Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o8.tw	Method	TBLASTX:Wheat
Start	21955	End	22267
GI	none	Score	61
Exons	21955..22215, 22091..22267		
Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o2.ts	Method	TBLASTX:Soybean
Start	22015	End	22581
GI	5666795	Score	68
Exons	22015..22215, 22270..22407, 22483..22581		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o5.tw	Method	TBLASTX:Wheat
Start	22270	End	22704
GI	none	Score	88
Exons	22270..22419, 22271..22408, 22273..22410, 22453..22704, 22463..22684, 22507..22704		
Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o1.ts	Method	TBLASTX:Soybean
Start	23329	End	23699
GI	none	Score	83
Exons	23329..23559, 23556..23699, 23557..23682		
Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o4.tm	Method	TBLASTX:Maize
Start	23452	End	23835
GI	none	Score	194
Exons	23452..23562, 23556..23834, 23557..23835		
Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o1.tm	Method	TBLASTX:Maize
Start	23862	End	24218
GI	none	Score	114
Exons	23862..24167, 23862..24218, 23872..24183		
Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-

Start	20629	End	27392
Name	OJ000228_06.0406.C6.o1.tw	Method	TBLASTX:Wheat
Start	23886	End	24349
GI	none	Score	222
Exons	23886..24347, 23892..24347, 23893..24348, 23906..24349		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o3.ts	Method	TBLASTX:Soybean
Start	23943	End	24308
GI	none	Score	118
Exons	23943..24077, 24084..24308		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o3.tw	Method	TBLASTX:Wheat
Start	24513	End	24999
GI	none	Score	74
Exons	24513..24998, 24540..24734, 24544..24804, 24826..24999		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o6.tw	Method	TBLASTX:Wheat
Start	25737	End	26129
GI	none	Score	96
Exons	25737..25994, 25771..26010, 25977..26075, 25978..26070, 26082..26129		

Seq. No.	39286	Seq. ID	OJ000228_06.0406.C6
Gene No.	81057	Strand	-
Start	20629	End	27392
Name	OJ000228_06.0406.C6.o5.tm	Method	TBLASTX:Maize
Start	25839	End	26124
GI	none	Score	107
Exons	25839..26087, 25840..26124		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81058	Strand	+
Start	572	End	3544
Name	OJ000228_06.0406.C7.o1.gs	Method	GENSCAN
Start	572	End	3544
GI	none	Score	.88
Exons	572..815, 1003..1700, 1932..2024, 2370..3544		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81058	Strand	+
Start	572	End	3544
Name	OJ000228_06.0406.C7.o1.np	Method	AAT/NAP
Start	580	End	3541
GI	5803260	Score	3707
Exons	580..815, 1003..1700, 1932..2024, 2370..3541		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
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Gene No.	81059	Strand	-
Start	3269	End	4231
Name	OJ000228_06.0406.C7.o1.gp	Method	AAT/GAP
Start	3269	End	4231
GI	uC-osflcyp035f02b1	Score	685
Exons	3269..3520, 4120..4231		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o1.tc	Method	TBLASTX:Cress
Start	703	End	3166
GI	none	Score	82
Exons	703..765, 1154..1216, 1289..1582, 1604..1708, 2525..2833, 2588..2803, 2686..2817, 2863..3165, 2864..3166		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o1.ts	Method	TBLASTX:Soybean
Start	2516	End	3166
GI	none	Score	106
Exons	2516..2659, 2686..2817, 2687..2839, 2861..3166, 2863..3162		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o1.tm	Method	TBLASTX:Maize
Start	2528	End	3397
GI	none	Score	338
Exons	2528..2842, 2530..2574, 2534..2815, 2647..2847, 2857..3165, 2858..3166, 3302..3397		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o1.tw	Method	TBLASTX:Wheat
Start	2549	End	2905
GI	none	Score	316
Exons	2549..2830, 2549..2830, 2864..2905		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o2.tw	Method	TBLASTX:Wheat
Start	2906	End	3166
GI	none	Score	184
Exons	2906..3166, 3040..3159		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o3.gp	Method	AAT/GAP
Start	5080	End	5585
GI	LIB3475-002-P1-K2-B2	Score	999

Exons 5080..5585
 GI Descrip. '5803261/dbj|BAA83571.1| 7.0e-89 (AP000399) similar to Arabidopsis thaliana chromosome II BAC T19L18; unknown protein (AC004747) [Oryza sativa]'

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o2.gs	Method	GENSCAN
Start	5124	End	6107
GI	none	Score	.83
Exons	5124..6107		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o2.np	Method	AAT/NAP
Start	5127	End	6255
GI	5803261	Score	1757
Exons	5127..6107, 6221..6255		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana chromosome II BAC T19L18; unknown protein (AC004747) [Oryza sativa]		

Seq. No.	39287	Seq. ID	OJ000228_06.0406.C7
Gene No.	81060	Strand	-
Start	5124	End	6255
Name	OJ000228_06.0406.C7.o2.tm	Method	TBLASTX:Maize
Start	5631	End	6027
GI	none	Score	155
Exons	5631..5780, 5632..5775, 5649..5777, 5781..5909, 5790..5900, 5856..6026, 5919..6026, 5920..6027		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81061	Strand	+
Start	3963	End	4296
Name	OJ000228_06.0406.C8.o2.np	Method	AAT/NAP
Start	3963	End	4296
GI	5803262	Score	344
Exons	3963..3993, 4115..4296		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81062	Strand	-
Start	1	End	3017
Name	OJ000228_06.0406.C8.o1.np	Method	AAT/NAP
Start	1	End	3017
GI	5803261	Score	2106
Exons	1..80, 373..1358, 2757..3017		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana chromosome II BAC T19L18; unknown protein (AC004747) [Oryza sativa]		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81062	Strand	-
Start	1	End	3017
Name	OJ000228_06.0406.C8.o1.gs	Method	GENSCAN
Start	369	End	2960
GI	none	Score	.52

Exons 369..1358, 2757..2960

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o2.tm	Method	TBLASTX:Maize
Start	2838	End	2981
GI	none	Score	159
Exons	2838..2981, 2839..2979		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o1.gp	Method	AAT/GAP
Start	5467	End	5919
GI	5455578	Score	851
Exons	5467..5919		
GI Descrip.	5803263/dbj BAA83573.1 3.0e-09 (AP000399) similar to serine/threonine-specific protein kinase PK10 precursor (AL021811) [Oryza sativa]		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o3.np	Method	AAT/NAP
Start	5715	End	6587
GI	5803263	Score	1507
Exons	5715..6587		
GI Descrip.	(AP000399) similar to serine/threonine-specific protein kinase PK10 precursor (AL021811) [Oryza sativa]		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o1.tc	Method	TBLASTX:Cress
Start	5913	End	6572
GI	none	Score	71
Exons	5913..5981, 6048..6482, 6156..6326, 6522..6572		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o1.tm	Method	TBLASTX:Maize
Start	5913	End	6482
GI	none	Score	120
Exons	5913..5978, 6078..6482, 6147..6323, 6298..6426, 6411..6458		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-
Start	5467	End	6587
Name	OJ000228_06.0406.C8.o1.ts	Method	TBLASTX:Soybean
Start	6138	End	6567
GI	none	Score	77
Exons	6138..6221, 6219..6482, 6298..6417, 6501..6566, 6523..6567		

Seq. No.	39288	Seq. ID	OJ000228_06.0406.C8
Gene No.	81063	Strand	-

Start	5467	End	6587
Name	OJ000228_06.0406.C8.o1.tw	Method	TBLASTX:Wheat
Start	6165	End	6512
GI	none	Score	206
Exons	6165..6512		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81064	Strand	+
Start	5185	End	7669
Name	OJ000228_06.0406.C9.o2.gs	Method	GENSCAN
Start	5185	End	7669
GI	none	Score	.88
Exons	5185..5391, 5468..5660, 5893..5998, 6244..6433, 6758..6943, 7025..7108, 7493..7669		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81064	Strand	+
Start	5185	End	7669
Name	OJ000228_06.0406.C9.o3.np	Method	AAT/NAP
Start	5185	End	7666
GI	5803265	Score	1808
Exons	5185..5391, 5468..5660, 5893..5998, 6244..6433, 6758..6943, 7025..7108, 7493..7666		
GI Descrip.	(AP000399) similar to protein arginine N-methyl transferase 1 (Q63009) [Oryza sativa]		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81065	Strand	-
Start	1	End	478
Name	OJ000228_06.0406.C9.o1.np	Method	AAT/NAP
Start	1	End	478
GI	5803263	Score	674
Exons	1..408, 438..478		
GI Descrip.	(AP000399) similar to serine/threonine-specific protein kinase PK10 precursor (AL021811) [Oryza sativa]		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81066	Strand	-
Start	1202	End	4006
Name	OJ000228_06.0406.C9.o1.gp	Method	AAT/GAP
Start	1202	End	4006
GI	92846_1.R1084	Score	1390
Exons	1202..1471, 1607..1686, 1840..1906, 3462..3512, 3603..3688, 3787..4006		
GI Descrip.	'5803264/dbj BAA83574.1 1.0e-76 (AP000399) ESTs AU057456(S21460),AU057455(S21460) correspond to a region of the predicted gene; similar to cytochrome c oxidase subunit Vb precursor (D85381) [Oryza sativa]'		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81066	Strand	-
Start	1202	End	4006
Name	OJ000228_06.0406.C9.o2.np	Method	AAT/NAP
Start	1406	End	3898
GI	5803264	Score	693
Exons	1406..1471, 1607..1686, 1840..1906, 3462..3512, 3603..3688, 3787..3898		

GI Descrip. (AP000399) ESTs AU057456(S21460),AU057455(S21460) correspond to a region of the predicted gene; similar to cytochrome c oxidase subunit Vb precursor (D85381) [Oryza sativa]

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o1.tc	Method	TBLASTX:Cress
Start	5244	End	5972
GI	none	Score	212
Exons	5244..5402, 5251..5391, 5465..5665, 5470..5664, 5891..5965, 5892..5969, 5892..5972		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o1.ts	Method	TBLASTX:Soybean
Start	5244	End	6352
GI	none	Score	197
Exons	5244..5402, 5251..5391, 5465..5665, 5470..5664, 5876..6001, 5892..5999, 6235..6351, 6236..6352, 6245..6352		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o1.tm	Method	TBLASTX:Maize
Start	5250	End	5953
GI	none	Score	251
Exons	5250..5402, 5251..5394, 5465..5665, 5465..5665, 5466..5666, 5891..5953, 5892..5951		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o3.ts	Method	TBLASTX:Soybean
Start	6353	End	7669
GI	none	Score	83
Exons	6353..6442, 6751..6966, 6752..6943, 7018..7119, 7019..7120, 7025..7120, 7490..7669, 7492..7668		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o3.tm	Method	TBLASTX:Maize
Start	6752	End	7686
GI	none	Score	215
Exons	6752..6895, 6753..6848, 6757..6912, 6901..6942, 6902..6943, 6914..6949, 7018..7116, 7019..7120, 7025..7120, 7460..7678, 7490..7678, 7492..7686		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o2.gp	Method	AAT/GAP
Start	8271	End	9648
GI	4706_1.R1084	Score	1762
Exons	8271..8896, 9078..9362, 9575..9648		

GI Descrip. '5803266/dbj|BAA83576.1| 5.0e-47 (AP000399) ESTs
AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a
region of the predicted gene; similar to plastid transketolase 2
(Y15782) [Oryza sativa]'

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o3.gs	Method	GENSCAN
Start	8598	End	9835
GI	none	Score	.69
Exons	8598..8844, 8871..8896, 9078..9362, 9575..9835		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o2.ts	Method	TBLASTX:Soybean
Start	8744	End	9857
GI	none	Score	117
Exons	8744..8914, 9072..9377, 9078..9374, 9079..9378, 9611..9856, 9612..9857		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o2.tc	Method	TBLASTX:Cress
Start	8792	End	9857
GI	none	Score	67
Exons	8792..8926, 8793..8828, 8837..8914, 9072..9377, 9085..9363, 9605..9856, 9612..9857		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o4.tm	Method	TBLASTX:Maize
Start	8837	End	9857
GI	none	Score	63
Exons	8837..8914, 8844..8906, 9060..9257, 9072..9275, 9085..9276, 9807..9857, 9809..9856		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o4.np	Method	AAT/NAP
Start	9069	End	9898
GI	5803266	Score	925
Exons	9069..9362, 9575..9898		
GI Descrip.	(AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]		

Seq. No.	39289	Seq. ID	OJ000228_06.0406.C9
Gene No.	81067	Strand	-
Start	8271	End	9898
Name	OJ000228_06.0406.C9.o2.tm	Method	TBLASTX:Maize
Start	9279	End	9806
GI	none	Score	133

Exons 9279..9377, 9280..9363, 9284..9385, 9572..9805, 9576..9806

Seq. No. 39290 Seq. ID OJ000228_06.0406.C10
Gene No. 81068 Strand +
Start 2648 End 7782
Name OJ000228_06.0406.C10.o2.gs Method GENSCAN
Start 2648 End 6169
GI none Score .68
Exons 2648..2984, 3313..3464, 3807..3923, 4784..4867, 4965..5153,
5334..5505, 5655..5728, 5822..5848, 6044..6169

Seq. No. 39290 Seq. ID OJ000228_06.0406.C10
Gene No. 81068 Strand +
Start 2648 End 7782
Name OJ000228_06.0406.C10.o2.gp Method AAT/GAP
Start 3815 End 7782
GI 56_1.R1084 Score 2434
Exons 3815..3923, 4784..4867, 4965..5153, 5334..5505, 5655..5728,
5822..5848, 5919..5942, 6044..6225, 7343..7782

GI Descrip. '5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs
AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a
region of the predicted gene; similar to acyl-ACP thioesterase
(U92878) [Oryza sativa]'

Seq. No. 39290 Seq. ID OJ000228_06.0406.C10
Gene No. 81068 Strand +
Start 2648 End 7782
Name OJ000228_06.0406.C10.o2.np Method AAT/NAP
Start 3852 End 6166
GI 5803267 Score 1186
Exons 3852..3923, 4784..4867, 4965..5153, 5334..5505, 5655..5728,
5880..5942, 6044..6166

GI Descrip. (AP000399) ESTs C26547(C12563),AU077938(C12563) correspond to a
region of the predicted gene; similar to iron-superoxide
dismutase (AB014056) [Oryza sativa]

Seq. No. 39290 Seq. ID OJ000228_06.0406.C10
Gene No. 81069 Strand -
Start 1 End 3543
Name OJ000228_06.0406.C10.o1.np Method AAT/NAP
Start 1 End 2632
GI 5803266 Score 1678
Exons 1..66, 526..805, 1154..1422, 1967..2117, 2239..2403, 2493..2632

GI Descrip. (AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475)
correspond to a region of the predicted gene; similar to plastid
transketolase 2 (Y15782) [Oryza sativa]

Seq. No. 39290 Seq. ID OJ000228_06.0406.C10
Gene No. 81069 Strand -
Start 1 End 3543
Name OJ000228_06.0406.C10.o1.gs Method GENSCAN
Start 526 End 1351
GI none Score .65
Exons 526..805, 1154..1351

Seq. No. 39290 Seq. ID OJ000228_06.0406.C10
Gene No. 81069 Strand -

Start	1	End	3543
Name	OJ000228_06.0406.C10.o1.ts	Method	TBLASTX:Soybean
Start	572	End	1349
GI	none	Score	267
Exons	572..781, 582..782, 698..784, 1139..1336, 1153..1347, 1154..1348, 1158..1349		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o2.tc	Method	TBLASTX:Cress
Start	579	End	2534
GI	none	Score	155
Exons	579..788, 581..838, 1154..1228, 1155..1223, 1250..1423, 1251..1424, 1962..2120, 1963..2106, 2234..2323, 2239..2316, 2245..2406, 2493..2534		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o3.tm	Method	TBLASTX:Maize
Start	579	End	805
GI	none	Score	162
Exons	579..788, 581..805		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o1.gp	Method	AAT/GAP
Start	1319	End	3543
GI	33343_1.R1084	Score	1662
Exons	1319..1422, 1967..2117, 2239..2403, 2493..2611, 2848..3039, 3385..3543		

GI Descrip. '5803266/dbj|BAA83576.1| 1.0e-59 (AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]'

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o2.ts	Method	TBLASTX:Soybean
Start	1361	End	2382
GI	none	Score	62
Exons	1361..1423, 1368..1424, 1962..2126, 1963..2124, 2236..2382, 2237..2317, 2239..2382		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81069	Strand	-
Start	1	End	3543
Name	OJ000228_06.0406.C10.o1.tm	Method	TBLASTX:Maize
Start	1373	End	2560
GI	none	Score	66
Exons	1373..1423, 1374..1424, 1962..2120, 1962..2114, 1963..2121, 1966..2124, 1967..2128, 1967..2128, 2234..2410, 2234..2404, 2239..2415, 2485..2544, 2493..2534, 2534..2560		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81070	Strand	
Start	3837	End	6169
Name	OJ000228_06.0406.C10.o2.tm	Method	TBLASTX:Maize
Start	3837	End	5540
GI	none	Score	64
Exons	3837..3905, 4747..4869, 4748..4867, 4957..5076, 4963..5076, 4964..5086, 4964..5083, 4965..5087, 4965..5087, 5074..5115, 5078..5134, 5079..5120, 5327..5521, 5327..5515, 5334..5528, 5340..5528, 5514..5540		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81070	Strand	
Start	3837	End	6169
Name	OJ000228_06.0406.C10.o1.tc	Method	TBLASTX:Cress
Start	4775	End	5156
GI	none	Score	75
Exons	4775..4867, 4801..4857, 4964..5056, 4965..5057, 5066..5152, 5073..5156		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81070	Strand	
Start	3837	End	6169
Name	OJ000228_06.0406.C10.o3.ts	Method	TBLASTX:Soybean
Start	4965	End	6136
GI	none	Score	177
Exons	4965..5156, 4966..5079, 4970..5152, 5327..5428, 5330..5509, 5331..5501, 5910..5942, 6026..6136		

Seq. No.	39290	Seq. ID	OJ000228_06.0406.C10
Gene No.	81070	Strand	
Start	3837	End	6169
Name	OJ000228_06.0406.C10.o4.tm	Method	TBLASTX:Maize
Start	5919	End	6169
GI	none	Score	48
Exons	5919..5942, 6026..6169, 6041..6160, 6043..6165		

Seq. No.	39291	Seq. ID	OJ000228_06.0406.C11
Gene No.	81071	Strand	-
Start	974	End	1058
Name	OJ000228_06.0406.C11.o1.gs	Method	GENSCAN
Start	974	End	1058
GI	none	Score	.92
Exons	974..1058		

Seq. No.	39291	Seq. ID	OJ000228_06.0406.C11
Gene No.	81072	Strand	-
Start	974	End	1125
Name	OJ000228_06.0406.C11.o1.gp	Method	AAT/GAP
Start	974	End	1125
GI	LIB3432-029-P1-K1-E3	Score	270
Exons	974..1125		
GI Descrip.	'5803269/dbj BAA83579.1 1.0e-18 (AP000399) hypothetical protein [Oryza sativa]'		

Seq. No.	39291	Seq. ID	OJ000228_06.0406.C11
Gene No.	81072	Strand	-

Start	974	End	1125
Name	OJ000228_06.0406.C11.o1.np	Method	AAT/NAP
Start	1000	End	1125
GI	5803269	Score	200
Exons	1000..1125		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81073	Strand	+
Start	1180	End	1205
Name	OJ000228_06.0406.C12.o1.gs	Method	GENSCAN
Start	1180	End	1205
GI	none	Score	.4
Exons	1180..1205		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81074	Strand	+
Start	4570	End	7602
Name	OJ000228_06.0406.C12.o2.np	Method	AAT/NAP
Start	4570	End	7602
GI	5803270	Score	1004
Exons	4570..4727, 4805..4948, 5444..5541, 5656..5757, 7306..7374, 7532..7602		

GI Descrip. (AP000399) hypothetical protein [Oryza sativa]

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81075	Strand	+
Start	10475	End	14141
Name	OJ000228_06.0406.C12.o2.gp	Method	AAT/GAP
Start	10475	End	11977
GI	76525_1.R1084	Score	1051
Exons	10475..10605, 11549..11977		

GI Descrip. '5803272/dbj|BAA83582.1| 4.0e-32 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81075	Strand	+
Start	10475	End	14141
Name	OJ000228_06.0406.C12.o5.np	Method	AAT/NAP
Start	11607	End	14141
GI	5803272	Score	1622
Exons	11607..12119, 12220..12353, 13593..13706, 13811..13997, 14091..14141		

GI Descrip. (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81075	Strand	+
Start	10475	End	14141
Name	OJ000228_06.0406.C12.o3.gp	Method	AAT/GAP
Start	13821	End	14141
GI	2428662	Score	432
Exons	13821..13997, 14091..14141		
GI Descrip.	5803272/dbj BAA83582.1 3.0e-69 (AP000399) ESTs		

AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81076	Strand	-
Start	1109	End	1898
Name	OJ000228_06.0406.C12.o1.np	Method	AAT/NAP
Start	1109	End	1898
GI	5803269	Score	451
Exons	1109..1201, 1702..1898		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81076	Strand	-
Start	1109	End	1898
Name	OJ000228_06.0406.C12.o2.gs	Method	GENSCAN
Start	1698	End	1898
GI	none	Score	.69
Exons	1698..1898		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81077	Strand	-
Start	6920	End	6996
Name	OJ000228_06.0406.C12.o1.gp	Method	AAT/GAP
Start	6920	End	6996
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	6920..6996		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81078	Strand	-
Start	7687	End	8335
Name	OJ000228_06.0406.C12.o4.gs	Method	GENSCAN
Start	7687	End	8335
GI	none	Score	.92
Exons	7687..7739, 7885..7971, 8203..8335		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81078	Strand	-
Start	7687	End	8335
Name	OJ000228_06.0406.C12.o3.np	Method	AAT/NAP
Start	7690	End	8335
GI	5803271	Score	401
Exons	7690..7739, 7885..7971, 8203..8335		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81079	Strand	-
Start	8622	End	10106
Name	OJ000228_06.0406.C12.o4.np	Method	AAT/NAP
Start	8622	End	10106
GI	5852093	Score	.50
Exons	8622..8741, 10031..10106		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81080	Strand	
Start	11604	End	14141
Name	OJ000228_06.0406.C12.o1.tc	Method	TBLASTX:Cress
Start	11604	End	14141
GI	none	Score	75
Exons	11604..11654, 11736..11819, 11745..11819, 11856..12119, 11856..12113, 11861..12148, 12213..12356, 12214..12354, 12214..12363, 13543..13704, 13590..13682, 13799..13933, 13809..13940, 14090..14140, 14091..14141		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81080	Strand	
Start	11604	End	14141
Name	OJ000228_06.0406.C12.o1.tm	Method	TBLASTX:Maize
Start	11667	End	14141
GI	none	Score	76
Exons	11667..11762, 11681..11770, 11682..11765, 11784..11810, 11835..12113, 11843..12136, 11850..12119, 11866..12138, 11875..12120, 11993..12124, 12213..12311, 12213..12347, 12214..12354, 12214..12354, 13591..13704, 13593..13706, 13594..13704, 13808..13936, 13809..13940, 14091..14141		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81080	Strand	
Start	11604	End	14141
Name	OJ000228_06.0406.C12.o1.ts	Method	TBLASTX:Soybean
Start	11766	End	14141
GI	none	Score	439
Exons	11766..12119, 11769..12113, 11771..12148, 12213..12311, 12213..12353, 12214..12354, 13593..13706, 13594..13704, 13803..13892, 13805..13939, 13809..13940, 14072..14140, 14091..14141		

Seq. No.	39292	Seq. ID	OJ000228_06.0406.C12
Gene No.	81080	Strand	
Start	11604	End	14141
Name	OJ000228_06.0406.C12.o1.tw	Method	TBLASTX:Wheat
Start	11994	End	12354
GI	none	Score	113
Exons	11994..12122, 12216..12353, 12217..12354		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81081	Strand	+
Start	1	End	482
Name	OJ000228_06.0406.C13.o1.gp	Method	AAT/GAP
Start	1	End	358
GI	2428662	Score	294
Exons	1..40, 216..358		
GI Descrip.	5803272/dbj BAA83582.1 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81081	Strand	+

Start	1	End	482
Name	OJ000228_06.0406.C13.o1.np	Method	AAT/NAP
Start	1	End	479
GI	5803272	Score	461
Exons	1..40, 216..479		
GI Descrip.	(AP000399) ESTs AU055950(S20175), C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81081	Strand	+
Start	1	End	482
Name	OJ000228_06.0406.C13.o1.gs	Method	GENSCAN
Start	216	End	482
GI	none	Score	.86
Exons	216..482		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81082	Strand	+
Start	431	End	1125
Name	OJ000228_06.0406.C13.o2.gp	Method	AAT/GAP
Start	431	End	1125
GI	90269_1.R1084	Score	1321
Exons	431..1125		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81083	Strand	+
Start	4210	End	5182
Name	OJ000228_06.0406.C13.o2.gs	Method	GENSCAN
Start	4210	End	5044
GI	none	Score	.47
Exons	4210..5044		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81083	Strand	+
Start	4210	End	5182
Name	OJ000228_06.0406.C13.o3.np	Method	AAT/NAP
Start	4210	End	5182
GI	5803274	Score	1638
Exons	4210..5182		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana BAC T5J8 from chromosome IV; hypothetical protein (AC004044) [Oryza sativa]		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81084	Strand	-
Start	1716	End	2771
Name	OJ000228_06.0406.C13.o1.ts	Method	TBLASTX:Soybean
Start	210	End	482
GI	none	Score	148
Exons	210..317, 213..326, 215..328, 357..482, 357..467, 362..475		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81084	Strand	-
Start	1716	End	2771
Name	OJ000228_06.0406.C13.o1.tm	Method	TBLASTX:Maize

Start	213	End	612
GI	none	Score	365
Exons	213..449, 214..450, 215..448, 452..481, 453..482, 574..612		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81084	Strand	-
Start	1716	End	2771
Name	OJ000228_06.0406.C13.o2.tc	Method	TBLASTX:Cress
Start	213	End	431
GI	none	Score	147
Exons	213..326, 215..325, 345..431		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81084	Strand	-
Start	1716	End	2771
Name	OJ000228_06.0406.C13.o2.np	Method	AAT/NAP
Start	1716	End	2771
GI	5803273	Score	548
Exons	1716..1845, 1890..2028, 2705..2771		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81085	Strand	-
Start	4324	End	5181
Name	OJ000228_06.0406.C13.o1.tc	Method	TBLASTX:Cress
Start	4324	End	5181
GI	none	Score	86
Exons	4324..4428, 4330..4494, 4357..4788, 4504..4545, 4507..4887, 4576..4755, 4768..5178, 4777..4920, 4831..4980, 4879..5178, 5017..5181		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81085	Strand	-
Start	4324	End	5181
Name	OJ000228_06.0406.C13.o1.tw	Method	TBLASTX:Wheat
Start	4324	End	5070
GI	none	Score	72
Exons	4324..4425, 4342..4728, 4342..4440, 4645..4788, 4765..4881, 4831..5070		

Seq. No.	39293	Seq. ID	OJ000228_06.0406.C13
Gene No.	81085	Strand	-
Start	4324	End	5181
Name	OJ000228_06.0406.C13.o2.tm	Method	TBLASTX:Maize
Start	4324	End	5142
GI	none	Score	208
Exons	4324..4698, 4633..4881, 4708..5142		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.np	Method	AAT/NAP
Start	1	End	1182
GI	5803274	Score	2037
Exons	1..1182		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana BAC T5J8 from chromosome IV; hypothetical protein (AC004044) [Oryza sativa]		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.tm	Method	TBLASTX:Maize
Start	3	End	425
GI	none	Score	483
Exons	3..380, 8..379, 84..416, 261..425		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.gs	Method	GENSCAN
Start	51	End	755
GI	none	Score	.44
Exons	51..755		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.tw	Method	TBLASTX:Wheat
Start	78	End	873
GI	none	Score	76
Exons	78..284, 249..515, 402..749, 751..819, 754..873		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.tc	Method	TBLASTX:Cress
Start	156	End	957
GI	none	Score	265
Exons	156..728, 294..437, 491..688, 507..743, 510..719, 751..855, 868..957		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o2.tm	Method	TBLASTX:Maize
Start	435	End	1179
GI	none	Score	155
Exons	435..749, 438..728, 507..728, 750..890, 751..1179		

Seq. No.	39294	Seq. ID	OJ000228_06.0406.C14
Gene No.	81086	Strand	+
Start	1	End	1182
Name	OJ000228_06.0406.C14.o1.ts	Method	TBLASTX:Soybean
Start	748	End	1182
GI	none	Score	273
Exons	748..1182		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81087	Strand	+
Start	5887	End	6308
Name	OJ000228_06.0406.C15.o2.gp	Method	AAT/GAP
Start	5887	End	6308
GI	1255_1.R1084	Score	820
Exons	5887..6308		

GI Descrip. '5803242/dbj|AP000399.1|AP000399 1.0e-127 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81088	Strand	+
Start	13531	End	19247
Name	OJ000228_06.0406.C15.o4.gs	Method	GENSCAN
Start	13531	End	19247
GI	none	Score	.44
Exons	13531..13609, 15127..15174, 17056..17166, 19174..19247		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81088	Strand	+
Start	13531	End	19247
Name	OJ000228_06.0406.C15.o3.np	Method	AAT/NAP
Start	17036	End	17277
GI	6069646	Score	216
Exons	17036..17277		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81089	Strand	+
Start	24530	End	24898
Name	OJ000228_06.0406.C15.o6.gs	Method	GENSCAN
Start	24530	End	24898
GI	none	Score	.8
Exons	24530..24542, 24819..24898		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81090	Strand	-
Start	1	End	3163
Name	OJ000228_06.0406.C15.o1.np	Method	AAT/NAP
Start	1	End	2767
GI	5803275	Score	1265
Exons	1..295, 840..860, 1437..1508, 2013..2093, 2447..2767		
GI Descrip.	(AP000399) EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030) [Oryza sativa]		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81090	Strand	-
Start	1	End	3163
Name	OJ000228_06.0406.C15.o1.gs	Method	GENSCAN
Start	19	End	2767
GI	none	Score	.77
Exons	19..295, 840..860, 1437..1508, 2013..2117, 2447..2767		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81090	Strand	-
Start	1	End	3163
Name	OJ000228_06.0406.C15.o1.gp	Method	AAT/GAP
Start	2014	End	3163
GI	35695_1.R1084	Score	979

Exons 2014..2093, 2447..2744, 3015..3163
 GI Descrip. '5803275/dbj|BAA83585.1| 5.0e-64 (AP000399) EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030) [Oryza sativa]'

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81091	Strand	-
Start	6321	End	12078
Name	OJ000228_06.0406.C15.o2.np	Method	AAT/NAP
Start	6312	End	11840
GI	2829902	Score	1749
Exons	6312..6458, 6592..6668, 7008..7571, 8228..8354, 8457..8573, 8690..8797, 10817..11054, 11165..11372, 11449..11497, 11592..11840		
GI Descrip.	(AC002311) Putative sulphate transporter protein#protein [Arabidopsis thaliana]		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81091	Strand	-
Start	6321	End	12078
Name	OJ000228_06.0406.C15.o2.gs	Method	GENSCAN
Start	6321	End	7581
GI	none	Score	.87
Exons	6321..6458, 6592..6701, 7008..7581		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81091	Strand	-
Start	6321	End	12078
Name	OJ000228_06.0406.C15.o3.gp	Method	AAT/GAP
Start	7047	End	8755
GI	9555_1.R1084	Score	1517
Exons	7047..7571, 8228..8354, 8457..8573, 8690..8755		
GI Descrip.	'2829902 4.0e-65 (AC002311) Putative sulphate transporter protein#protein [Arabidopsis thaliana]'		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81091	Strand	-
Start	6321	End	12078
Name	OJ000228_06.0406.C15.o3.gs	Method	GENSCAN
Start	8172	End	12078
GI	none	Score	.77
Exons	8172..8227, 8457..8646, 8690..8797, 10817..11054, 11165..11329, 11449..11591, 11695..12078		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81092	Strand	-
Start	13999	End	14153
Name	OJ000228_06.0406.C15.o4.gp	Method	AAT/GAP
Start	13999	End	14153
GI	2797131	Score	293
Exons	13999..14153		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o4.tm	Method	TBLASTX:Maize

Start	32	End	1395
GI	none	Score	350
Exons	32..298, 48..296, 65..298, 1162..1227, 1178..1228, 1184..1228, 1185..1322, 1185..1247, 1223..1273, 1227..1274, 1228..1287, 1277..1324, 1277..1324, 1324..1395, 1337..1363		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o2.ts	Method	TBLASTX:Soybean
Start	45	End	2735
GI	none	Score	278
Exons	45..233, 47..298, 48..299, 49..306, 50..307, 1401..1511, 1430..1516, 1438..1509, 2004..2105, 2005..2094, 2009..2095, 2432..2734, 2445..2735, 2448..2735		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o2.tm	Method	TBLASTX:Maize
Start	2423	End	2776
GI	none	Score	60
Exons	2423..2500, 2432..2737, 2439..2753, 2579..2776, 2683..2739		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o2.tc	Method	TBLASTX:Cress
Start	2474	End	2731
GI	none	Score	155
Exons	2474..2587, 2475..2585, 2588..2731, 2588..2731		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o1.tm	Method	TBLASTX:Maize
Start	6346	End	7540
GI	none	Score	125
Exons	6346..6459, 6366..6464, 6586..6678, 7012..7239, 7012..7539, 7013..7540		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o1.ts	Method	TBLASTX:Soybean
Start	6366	End	8297
GI	none	Score	416
Exons	6366..6464, 6586..6678, 7009..7572, 7010..7573, 8220..8297, 8227..8295		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o1.tc	Method	TBLASTX:Cress
Start	6408	End	11831
GI	none	Score	70
Exons	6408..6464, 6586..6678, 7009..7605, 7012..7242, 7082..7573,		

7511..7609, 8215..8361, 8220..8360, 8455..8574, 8460..8573,
8739..8798, 10820..11059, 10827..11060, 11164..11370,
11174..11371, 11450..11500, 11454..11498, 11592..11831,
11596..11619, 11677..11796

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o1.tw	Method	TBLASTX:Wheat
Start	7504	End	8558
GI	none	Score	61
Exons	7504..7605, 7517..7573, 8220..8360, 8227..8361, 8455..8502, 8460..8558		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o3.tm	Method	TBLASTX:Maize
Start	8220	End	11226
GI	none	Score	192
Exons	8220..8366, 8227..8361, 8455..8574, 8457..8573, 8678..8797, 8687..8797, 8691..8798, 8721..8798, 10817..11053, 10818..11054, 10869..11054, 10871..11059, 11167..11226, 11174..11224		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o3.ts	Method	TBLASTX:Soybean
Start	10817	End	11356
GI	none	Score	110
Exons	10817..11059, 10836..11060, 10874..11071, 11155..11355, 11168..11356		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o5.tm	Method	TBLASTX:Maize
Start	11227	End	11372
GI	none	Score	149
Exons	11227..11370, 11237..11371, 11316..11372		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o4.ts	Method	TBLASTX:Soybean
Start	11448	End	11834
GI	none	Score	66
Exons	11448..11498, 11450..11503, 11450..11500, 11592..11834, 11596..11619, 11677..11772		

Seq. No.	39295	Seq. ID	OJ000228_06.0406.C15
Gene No.	81093	Strand	-
Start	26190	End	28547
Name	OJ000228_06.0406.C15.o7.gs	Method	GENSCAN
Start	26190	End	28547
GI	none	Score	.41
Exons	26190..26354, 26434..26525, 26669..26777, 26972..27123,		

28505..28547

Seq. No.	39296	Seq. ID	OJ000228_06.0406.C16
Gene No.	81094	Strand	+
Start	451	End	654
Name	OJ000228_06.0406.C16.o1.gs	Method	GENSCAN
Start	451	End	654
GI	none	Score	.41
Exons	451..654		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o1.gp	Method	AAT/GAP
Start	1	End	1259
GI	14052_1.R1084	Score	881
Exons	1..90, 212..326, 768..884, 961..1052, 1153..1259		
GI Descrip.	'5902363/gb AAD55465.1 AC009322_5 3.0e-78 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o1.np	Method	AAT/NAP
Start	1	End	2632
GI	6453853	Score	1288
Exons	1..90, 212..326, 768..884, 961..1052, 1153..1329, 1454..1528, 1619..1759, 2379..2632		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o1.tm	Method	TBLASTX:Maize
Start	16	End	2463
GI	none	Score	106
Exons	16..93, 17..88, 31..93, 209..334, 209..334, 211..336, 737..886, 747..887, 939..1055, 940..1053, 962..1057, 1145..1231, 1150..1329, 1153..1284, 1454..1528, 1455..1529, 1459..1530, 1462..1536, 1619..1768, 1620..1769, 1623..1760, 1625..1768, 2349..2462, 2379..2462, 2389..2463		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o1.ts	Method	TBLASTX:Soybean
Start	16	End	2584
GI	none	Score	99
Exons	16..93, 23..88, 210..329, 212..334, 212..334, 735..887, 737..886, 939..1055, 961..1053, 964..1065, 1139..1324, 1140..1325, 1140..1325, 1141..1332, 1150..1329, 1454..1528, 1455..1529, 1455..1529, 1618..1767, 1619..1768, 1620..1769, 1623..1760, 2379..2570, 2379..2579, 2389..2571, 2408..2584		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
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Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o1.gs	Method	GENSCAN
Start	19	End	1765
GI	none	Score	.91
Exons	19..153, 212..326, 768..884, 961..1052, 1153..1329, 1454..1528, 1619..1765		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o1.tw	Method	TBLASTX:Wheat
Start	212	End	1649
GI	none	Score	90
Exons	212..352, 215..334, 286..336, 737..883, 738..887, 773..886, 961..1053, 963..1055, 971..1072, 1140..1328, 1150..1329, 1153..1332, 1447..1524, 1454..1528, 1454..1528, 1455..1529, 1620..1649		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o1.tc	Method	TBLASTX:Cress
Start	215	End	1769
GI	none	Score	59
Exons	215..334, 242..334, 714..932, 764..880, 828..890, 939..1025, 961..1026, 980..1054, 999..1055, 1000..1053, 1005..1055, 1141..1299, 1150..1329, 1454..1528, 1455..1529, 1619..1768, 1620..1769, 1623..1760, 1631..1768		

Seq. No.	39297	Seq. ID	OJ000228_06.0406.C19
Gene No.	81095	Strand	-
Start	1	End	2632
Name	OJ000228_06.0406.C19.o2.tw	Method	TBLASTX:Wheat
Start	1650	End	2547
GI	none	Score	151
Exons	1650..1760, 1651..1761, 1652..1762, 1652..1762, 2352..2546, 2379..2540, 2383..2547		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81096	Strand	+
Start	1	End	1879
Name	OJ000208_01.0403.C7.o1.np	Method	AAT/NAP
Start	1	End	1729
GI	7434426	Score	1531
Exons	1..1729		
GI Descrip.	hypothetical protein F23E13.70 - Arabidopsis thaliana gi 2961377 emb CAA18124.1 (AL022141) putative receptor protein kinase [Arabidopsis thaliana] gi 7270570 emb CAB81527.1 (AL161588) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81096	Strand	+
Start	1	End	1879
Name	OJ000208_01.0403.C7.o1.gs	Method	GENSCAN
Start	377	End	1732

GI	none	Score	.8
Exons	377..1732		
Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81096	Strand	+
Start	1	End	1879
Name	OJ000208_01.0403.C7.o1.gp	Method	AAT/GAP
Start	1371	End	1879
GI	3762285	Score	986
Exons	1371..1879		
GI Descrip.	2961377/emb CAA18124 6.0e-30 (AL022141) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81097	Strand	-
Start	2058	End	2336
Name	OJ000208_01.0403.C7.o2.gp	Method	AAT/GAP
Start	2058	End	2336
GI	3762284	Score	519
Exons	2058..2336		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	254	End	1666
GI	none	Score	86
Exons	254..361, 254..427, 254..487, 254..487, 254..433, 254..436, 254..370, 257..424, 257..487, 260..502, 293..439, 980..1081, 1103..1186, 1184..1261, 1343..1507, 1399..1488, 1571..1666		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	254	End	487
GI	none	Score	135
Exons	254..487, 257..487, 257..472, 262..471, 320..427		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	470	End	787
GI	none	Score	64
Exons	470..517, 471..551, 476..604, 605..676, 635..730, 684..722, 716..787, 725..787		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	716	End	1075
GI	none	Score	229
Exons	716..913, 739..912, 752..922, 926..1021, 928..987, 1007..1075, 1051..1074		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o2.tc	Method	TBLASTX:Cress
Start	719	End	979
GI	none	Score	215
Exons	719..940, 739..897, 923..979, 937..978		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	809	End	1474
GI	none	Score	66
Exons	809..895, 932..1006, 950..997, 1031..1069, 1032..1070, 1067..1180, 1181..1273, 1184..1261, 1340..1474, 1340..1459		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o3.ts	Method	TBLASTX:Soybean
Start	1103	End	1687
GI	none	Score	56
Exons	1103..1174, 1184..1261, 1343..1495, 1396..1488, 1595..1687		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o1.tw	Method	TBLASTX:Wheat
Start	1109	End	1510
GI	none	Score	63
Exons	1109..1180, 1184..1261, 1340..1510, 1402..1488		

Seq. No.	39298	Seq. ID	OJ000208_01.0403.C7
Gene No.	81098	Strand	-
Start	2554	End	4320
Name	OJ000208_01.0403.C7.o2.gs	Method	GENSCAN
Start	2554	End	4320
GI	none	Score	.57
Exons	2554..2667, 2922..3065, 3205..3229, 3780..3875, 4175..4320		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.np	Method	AAT/NAP
Start	524	End	2588
GI	4567262	Score	784
Exons	524..607, 724..748, 841..873, 944..1065, 1166..1296, 1392..1618, 2331..2588		
GI Descrip.	(AC006841) putative ubiquitin fusion-degradation protein [Arabidopsis thaliana]		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.ts	Method	TBLASTX:Soybean
Start	529	End	2425

GI	none	Score	120
Exons	529..603, 530..607, 840..887, 842..868, 936..1064, 939..1064, 943..1068, 946..1068, 1161..1286, 1165..1296, 1166..1297, 1389..1616, 1393..1614, 2342..2425		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	529	End	1518
GI	none	Score	136
Exons	529..606, 530..607, 539..610, 721..747, 721..747, 723..752, 834..887, 840..887, 936..1064, 936..1064, 943..1068, 943..1068, 1165..1305, 1166..1297, 1389..1517, 1393..1518		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.tc	Method	TBLASTX:Cress
Start	529	End	1249
GI	none	Score	117
Exons	529..606, 530..607, 840..887, 842..868, 936..1037, 943..1038, 946..1038, 1021..1068, 1165..1248, 1166..1249		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.gs	Method	GENSCAN
Start	530	End	2581
GI	none	Score	.88
Exons	530..607, 724..748, 841..873, 944..1065, 1166..1296, 1392..1618, 2325..2393, 2454..2581		

Seq. No.	39299	Seq. ID	OJ000208_01.0403.C8
Gene No.	81099	Strand	+
Start	524	End	2588
Name	OJ000208_01.0403.C8.o1.gp	Method	AAT/GAP
Start	957	End	2478
GI	60213 1.R1084	Score	1145
Exons	957..1065, 1166..1296, 1392..1618, 2325..2478		
GI Descrip.	'2961377/emb CAA18124 6.0e-30 (AL022141) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	39300	Seq. ID	OJ000208_01.0403.C14
Gene No.	81100	Strand	+
Start	618	End	870
Name	OJ000208_01.0403.C14.o1.gs	Method	GENSCAN
Start	618	End	870
GI	none	Score	.9
Exons	618..708, 803..870		

Seq. No.	39300	Seq. ID	OJ000208_01.0403.C14
Gene No.	81101	Strand	-
Start	2604	End	2720
Name	OJ000208_01.0403.C14.o2.gs	Method	GENSCAN
Start	2604	End	2720
GI	none	Score	.89

Exons 2604..2720

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	3033
GI	7340884	Score	3769
Exons	1..380, 453..949, 1000..2118, 2286..2336, 2561..2614, 2815..3033		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o4.tm	Method	TBLASTX:Maize
Start	17	End	184
GI	none	Score	173
Exons	17..184, 19..180		

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o1.gs	Method	GENSCAN
Start	181	End	3048
GI	none	Score	.42
Exons	181..380, 1023..1388, 1884..2161, 2286..2336, 2561..2670, 2815..3048		

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o3.tm	Method	TBLASTX:Maize
Start	187	End	768
GI	none	Score	130
Exons	187..237, 413..748, 421..768, 565..750		

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o2.tm	Method	TBLASTX:Maize
Start	965	End	1281
GI	none	Score	156
Exons	965..1186, 967..1191, 973..1212, 1201..1281, 1201..1281		

Seq. No.	39301	Seq. ID	OJ000208_01.0403.C15
Gene No.	81102	Strand	-
Start	1	End	3048
Name	OJ000208_01.0403.C15.o1.tm	Method	TBLASTX:Maize
Start	1375	End	1884
GI	none	Score	64
Exons	1375..1413, 1406..1474, 1408..1470, 1411..1488, 1486..1737, 1486..1848, 1490..1750, 1804..1884		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81103	Strand	+
Start	572	End	5404

Name	OJ000208_01.0403.C16.o1.gs	Method	GENSCAN
Start	572	End	5404
GI	none	Score	.95
Exons	572..709, 1922..2026, 2159..2602, 2960..2990, 3805..3925, 4014..4133, 4533..4763, 4838..5404		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81103	Strand	+
Start	572	End	5404
Name	OJ000208_01.0403.C16.o1.gp	Method	AAT/GAP
Start	2117	End	2445
GI	65727_1.R1084	Score	612
Exons	2117..2445		
GI Descrip.	'2244981/emb CAB10402.1 3.0e-15 (Z97340) proline-rich, APG like protein [Arabidopsis thaliana]'		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81103	Strand	+
Start	572	End	5404
Name	OJ000208_01.0403.C16.o1.np	Method	AAT/NAP
Start	2256	End	5395
GI	3695061	Score	827
Exons	2256..2325, 2375..2436, 2464..2602, 3805..3925, 4014..4133, 4533..4763, 4838..5192, 5232..5395		
GI Descrip.	(AF064788) rac GTPase activating protein 2 [Lotus japonicus]		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81104	Strand	+
Start	6232	End	8807
Name	OJ000208_01.0403.C16.o2.gs	Method	GENSCAN
Start	6232	End	8719
GI	none	Score	.81
Exons	6232..6481, 7271..7477, 7557..7687, 7777..8019, 8110..8368, 8484..8719		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81104	Strand	+
Start	6232	End	8807
Name	OJ000208_01.0403.C16.o2.np	Method	AAT/NAP
Start	7228	End	8719
GI	7485206	Score	429
Exons	7228..7477, 7557..7687, 7882..8076, 8155..8368, 8484..8719		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi 2244981 emb CAB10402.1 (Z97340) proline-rich, APG like protein [Arabidopsis thaliana] gi 7268372 emb CAB78665.1 (AL161543) proline-rich, APG like protein [Arabidopsis thaliana]		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81104	Strand	+
Start	6232	End	8807
Name	OJ000208_01.0403.C16.o2.gp	Method	AAT/GAP
Start	8296	End	8807
GI	3759168	Score	699
Exons	8296..8368, 8484..8807		
GI Descrip.	2244981/emb CAB10402.1 3.0e-15 (Z97340) proline-rich, APG like protein [Arabidopsis thaliana]		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81105	Strand	-
Start	8972	End	11451
Name	OJ000208_01.0403.C16.o3.gs	Method	GENSCAN
Start	8972	End	11451
GI	none	Score	.51
Exons	8972..9049, 9170..9645, 9912..10079, 10425..10559, 11268..11451		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o1.tm	Method	TBLASTX:Maize
Start	2485	End	4933
GI	none	Score	122
Exons	2485..2598, 2493..2573, 3802..3918, 3803..3925, 3992..4132, 4017..4133, 4019..4135, 4045..4137, 4529..4759, 4533..4772, 4835..4933, 4837..4932		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o1.tc	Method	TBLASTX:Cress
Start	3812	End	4772
GI	none	Score	136
Exons	3812..3925, 3814..3924, 4016..4132, 4017..4133, 4523..4771, 4533..4772		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o1.ts	Method	TBLASTX:Soybean
Start	4071	End	4939
GI	none	Score	96
Exons	4071..4133, 4073..4183, 4532..4771, 4533..4766, 4586..4768, 4835..4939, 4837..4938		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o1.tw	Method	TBLASTX:Wheat
Start	4548	End	4932
GI	none	Score	270
Exons	4548..4766, 4550..4759, 4653..4769, 4658..4777, 4820..4927, 4835..4927, 4837..4932		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o3.tm	Method	TBLASTX:Maize
Start	5182	End	5392
GI	none	Score	64
Exons	5182..5274, 5183..5248, 5254..5391, 5255..5392		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o2.tc	Method	TBLASTX:Cress

Start	7317	End	7687
GI	none	Score	213
Exons	7317..7478, 7321..7479, 7547..7687		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o2.ts	Method	TBLASTX:Soybean
Start	7317	End	8698
GI	none	Score	117
Exons	7317..7412, 7321..7413, 7423..7485, 7586..7705, 7783..7920, 8086..8286, 8121..8228, 8296..8349, 8570..8698		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o2.tm	Method	TBLASTX:Maize
Start	7320	End	7710
GI	none	Score	222
Exons	7320..7478, 7321..7485, 7546..7710, 7547..7690		

Seq. No.	39302	Seq. ID	OJ000208_01.0403.C16
Gene No.	81106	Strand	-
Start	11678	End	11951
Name	OJ000208_01.0403.C16.o3.gp	Method	AAT/GAP
Start	11678	End	11951
GI	LIB3432-017-P1-K1-F8	Score	540
Exons	11678..11951		
GI Descrip.	'5042437/gb AC007789.1 AC007789 3.0e-11 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	39303	Seq. ID	OJ000208_01.0403.C17
Gene No.	81107	Strand	-
Start	85	End	934
Name	OJ000208_01.0403.C17.o1.np	Method	AAT/NAP
Start	85	End	934
GI	6017102	Score	245
Exons	85..312, 390..543, 811..934		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	39303	Seq. ID	OJ000208_01.0403.C17
Gene No.	81107	Strand	-
Start	85	End	934
Name	OJ000208_01.0403.C17.o1.gs	Method	GENSCAN
Start	124	End	911
GI	none	Score	.58
Exons	124..312, 390..427, 521..543, 811..911		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81108	Strand	+
Start	2618	End	4567
Name	OJ000208_01.0403.C18.o2.np	Method	AAT/NAP
Start	2618	End	4567
GI	4218008	Score	140
Exons	2618..2654, 4135..4567		
GI Descrip.	(AC006135) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81109	Strand	-
Start	1	End	1154
Name	OJ000208_01.0403.C18.o1.np	Method	AAT/NAP
Start	1	End	1154
GI	6017102	Score	259
Exons	1..19, 718..801, 877..950, 1032..1154		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81110	Strand	-
Start	6407	End	8465
Name	OJ000208_01.0403.C18.o1.tc	Method	TBLASTX:Cress
Start	717	End	1154
GI	none	Score	87
Exons	717..752, 876..956, 877..951, 1032..1154, 1033..1149		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81110	Strand	-
Start	6407	End	8465
Name	OJ000208_01.0403.C18.o1.tm	Method	TBLASTX:Maize
Start	717	End	1197
GI	none	Score	109
Exons	717..797, 721..801, 721..801, 867..953, 876..959, 1032..1196, 1033..1197		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81110	Strand	-
Start	6407	End	8465
Name	OJ000208_01.0403.C18.o2.tm	Method	TBLASTX:Maize
Start	4352	End	4496
GI	none	Score	154
Exons	4352..4492, 4353..4496, 4353..4496		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81110	Strand	-
Start	6407	End	8465
Name	OJ000208_01.0403.C18.o1.gp	Method	AAT/GAP
Start	6407	End	8465
GI	none	Score	930
Exons	6407..6603, 6686..6773, 8148..8212, 8289..8465		

Seq. No.	39304	Seq. ID	OJ000208_01.0403.C18
Gene No.	81110	Strand	-
Start	6407	End	8465
Name	OJ000208_01.0403.C18.o2.gs	Method	GENSCAN
Start	7426	End	8413
GI	none	Score	.5
Exons	7426..7452, 8148..8212, 8289..8413		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o1.np	Method	AAT/NAP
Start	5317	End	7453
GI	7437166	Score	1973
Exons	5317..6310, 6717..6877, 7067..7198, 7292..7453		

GI Descrip. 1-aminocyclopropane-1-carboxylate synthase (EC 4.4.1.14) 2 - wheat

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o1.tm	Method	TBLASTX:Maize
Start	5428	End	6013
GI	none	Score	588
Exons	5428..5952, 5429..5953, 5924..6013, 5959..6012		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o1.ts	Method	TBLASTX:Soybean
Start	5458	End	7457
GI	none	Score	299
Exons	5458..5982, 5474..5983, 5992..6309, 5993..6310, 6713..6877, 6720..6878, 7056..7199, 7067..7201, 7070..7204, 7289..7453, 7296..7457		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o1.tc	Method	TBLASTX:Cress
Start	5473	End	7432
GI	none	Score	122
Exons	5473..6003, 5474..5614, 5672..5980, 5998..6150, 6151..6312, 6713..6880, 6717..6881, 7067..7201, 7067..7204, 7289..7432, 7292..7387, 7296..7430		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o2.gp	Method	AAT/GAP
Start	5866	End	7173
GI	222 1.R1084	Score	1350
Exons	5866..6310, 6717..6877, 7067..7173		
GI Descrip.	'1419100/emb CAA81755 1.0e-137 (Z27242) ACC synthase [Oryza sativa]'		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o3.tm	Method	TBLASTX:Maize
Start	6016	End	6803
GI	none	Score	62
Exons	6016..6309, 6713..6802, 6720..6803		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o1.tw	Method	TBLASTX:Wheat
Start	6224	End	7156
GI	none	Score	118
Exons	6224..6307, 6226..6309, 6229..6312, 6713..6880, 6720..6881, 7065..7154, 7066..7155, 7067..7156		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o2.gs	Method	GENSCAN
Start	6656	End	7498
GI	none	Score	.8
Exons	6656..6877, 7067..7198, 7292..7498		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o2.tm	Method	TBLASTX:Maize
Start	7118	End	7437
GI	none	Score	94
Exons	7118..7204, 7119..7199, 7289..7432, 7290..7430, 7294..7437		

Seq. No.	39305	Seq. ID	OJ000208_01.0403.C19
Gene No.	81111	Strand	-
Start	5317	End	7664
Name	OJ000208_01.0403.C19.o3.gp	Method	AAT/GAP
Start	7331	End	7664
GI	71812_1.R1084	Score	627
Exons	7331..7664		
GI Descrip.	'1244715/gb U42336 TAU42336 2.0e-09 Triticum aestivum ACC synthase (TA-ACS2) gene, complete cds'		

Seq. No.	39306	Seq. ID	OJ000208_01.0403.C20
Gene No.	81112	Strand	-
Start	1008	End	2212
Name	OJ000208_01.0403.C20.o1.gs	Method	GENSCAN
Start	1008	End	2212
GI	none	Score	.45
Exons	1008..1057, 2164..2212		

Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81113	Strand	+
Start	4992	End	6754
Name	OJ000208_01.0403.C21.o1.np	Method	AAT/NAP
Start	4992	End	6754
GI	3702337	Score	286
Exons	4992..5034, 5896..6216, 6376..6543, 6678..6754		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		

Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81113	Strand	+
Start	4992	End	6754
Name	OJ000208_01.0403.C21.o1.gp	Method	AAT/GAP
Start	5843	End	6440
GI	5004582	Score	803
Exons	5843..6216, 6376..6440		

Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81113	Strand	+
Start	4992	End	6754
Name	OJ000208_01.0403.C21.o2.gs	Method	GENSCAN
Start	5859	End	6715

GI	none	Score	.7
Exons	5859..6216, 6376..6530, 6649..6715		
Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81114	Strand	-
Start	914	End	4960
Name	OJ000208_01.0403.C21.o1.gs	Method	GENSCAN
Start	914	End	4960
GI	none	Score	.65
Exons	914..1090, 1799..1917, 2107..2139, 2211..2234, 3347..3874, 4718..4845, 4857..4960		

Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81115	Strand	
Start	5882	End	6714
Name	OJ000208_01.0403.C21.o1.tm	Method	TBLASTX:Maize
Start	5882	End	6714
GI	none	Score	46
Exons	5882..5983, 5994..6149, 6008..6091, 6162..6218, 6171..6221, 6366..6530, 6368..6532, 6369..6530, 6374..6532, 6643..6714, 6643..6711, 6648..6713		

Seq. No.	39307	Seq. ID	OJ000208_01.0403.C21
Gene No.	81115	Strand	
Start	5882	End	6714
Name	OJ000208_01.0403.C21.o1.ts	Method	TBLASTX:Soybean
Start	6000	End	6714
GI	none	Score	103
Exons	6000..6089, 6026..6088, 6159..6218, 6344..6532, 6366..6539, 6369..6530, 6646..6714, 6648..6713		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81116	Strand	+
Start	163	End	276
Name	OJ000208_01.0403.C22.o1.gs	Method	GENSCAN
Start	163	End	276
GI	none	Score	.48
Exons	163..276		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81117	Strand	+
Start	5127	End	9969
Name	OJ000208_01.0403.C22.o3.gs	Method	GENSCAN
Start	5127	End	9969
GI	none	Score	.55
Exons	5127..5499, 6169..6445, 6819..6948, 6996..7080, 7086..7528, 7667..7726, 7827..8033, 8144..8447, 8570..8815, 9896..9969		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81117	Strand	+
Start	5127	End	9969
Name	OJ000208_01.0403.C22.o1.gp	Method	AAT/GAP
Start	5390	End	5832
GI	none	Score	850
Exons	5390..5832		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
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Gene No.	81117	Strand	+
Start	5127	End	9969
Name	OJ000208_01.0403.C22.o1.np	Method	AAT/NAP
Start	7093	End	8638
GI	5870600	Score	796
Exons	7093..7528, 7667..7726, 7827..8033, 8144..8269, 8391..8447, 8570..8638		
GI Descrip.	(Y14810) beta-carotene hydroxylase [<i>Lycopersicon esculentum</i>]		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81117	Strand	+
Start	5127	End	9969
Name	OJ000208_01.0403.C22.o2.gp	Method	AAT/GAP
Start	8381	End	8961
GI	2276035	Score	853
Exons	8381..8447, 8570..8961		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81118	Strand	+
Start	10008	End	10664
Name	OJ000208_01.0403.C22.o2.np	Method	AAT/NAP
Start	10008	End	10664
GI	7523502	Score	121
Exons	10008..10100, 10443..10664		
GI Descrip.	(AP001633) hypothetical protein [<i>Oryza sativa</i>]		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81118	Strand	+
Start	10008	End	10664
Name	OJ000208_01.0403.C22.o3.np	Method	AAT/NAP
Start	10274	End	10664
GI	6539588	Score	137
Exons	10274..10664		
GI Descrip.	(AP000837) hypothetical protein [<i>Oryza sativa</i>]		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81119	Strand	-
Start	1075	End	2577
Name	OJ000208_01.0403.C22.o2.gs	Method	GENSCAN
Start	1075	End	2577
GI	none	Score	.51
Exons	1075..1254, 2380..2577		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81120	Strand	
Start	7396	End	8455
Name	OJ000208_01.0403.C22.o1.tc	Method	TBLASTX:Cress
Start	7396	End	8455
GI	none	Score	156
Exons	7396..7527, 7397..7528, 7661..7729, 7661..7711, 7666..7728, 7809..7880, 7817..7879, 7836..8030, 7874..8032, 7881..8033, 8116..8262, 8120..8272, 8156..8290, 8385..8447, 8388..8447, 8389..8448, 8393..8449, 8393..8455		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81120	Strand	
Start	7396	End	8455

Name	OJ000208_01.0403.C22.o1.tm	Method	TBLASTX:Maize
Start	7402	End	8449
GI	none	Score	151
Exons	7402..7527, 7403..7528, 7666..7728, 7667..7729, 7799..8032, 7807..7887, 7809..8033, 8120..8272, 8122..8265, 8147..8290, 8385..8447, 8388..8447, 8390..8449		

Seq. No.	39308	Seq. ID	OJ000208_01.0403.C22
Gene No.	81120	Strand	
Start	7396	End	8455
Name	OJ000208_01.0403.C22.o1.ts	Method	TBLASTX:Soybean
Start	7835	End	8455
GI	none	Score	340
Exons	7835..8032, 7836..8033, 8116..8262, 8120..8299, 8153..8269, 8385..8447, 8388..8447, 8396..8455		

Seq. No.	39309	Seq. ID	OJ000208_01.0403.C23
Gene No.	81121	Strand	+
Start	2276	End	2391
Name	OJ000208_01.0403.C23.o1.gp	Method	AAT/GAP
Start	2276	End	2391
GI	73436_1.R1084	Score	199
Exons	2276..2391		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81122	Strand	+
Start	80	End	419
Name	OJ000208_01.0403.C24.o1.gp	Method	AAT/GAP
Start	80	End	419
GI	73436_1.R1084	Score	455
Exons	80..277, 364..419		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o1.np	Method	AAT/NAP
Start	3631	End	8509
GI	5922631	Score	4856
Exons	3631..3755, 4014..4258, 4517..4724, 4770..5334, 5377..5527, 5654..6580, 7187..8509		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o5.tw	Method	TBLASTX:Wheat
Start	4938	End	5340

GI	none	Score	303
Exons	4938..5246, 4939..5340		
Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o1.tw	Method	TBLASTX:Wheat
Start	5920	End	6717
GI	none	Score	136
Exons	5920..6096, 6141..6377, 6145..6375, 6424..6717, 6513..6713		
Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o4.tm	Method	TBLASTX:Maize
Start	6228	End	6433
GI	none	Score	182
Exons	6228..6374, 6229..6405, 6275..6433		
Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o3.ts	Method	TBLASTX:Soybean
Start	6637	End	7002
GI	none	Score	145
Exons	6637..6861, 6868..7002		
Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o6.tw	Method	TBLASTX:Wheat
Start	6718	End	6951
GI	none	Score	261
Exons	6718..6951, 6738..6950		
Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o2.tm	Method	TBLASTX:Maize
Start	6727	End	7083
GI	none	Score	362
Exons	6727..7083, 6768..7073		
Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o2.tw	Method	TBLASTX:Wheat
Start	6952	End	7371
GI	none	Score	462
Exons	6952..7371, 6954..7370		
Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o1.ts	Method	TBLASTX:Soybean
Start	7216	End	7647
GI	none	Score	316

Exons 7216..7647, 7263..7406

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o1.tm	Method	TBLASTX:Maize
Start	7314	End	7758
GI	none	Score	81
Exons	7314..7529, 7314..7568, 7315..7569, 7315..7572, 7590..7721, 7591..7734, 7732..7758		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o3.tw	Method	TBLASTX:Wheat
Start	7416	End	7845
GI	none	Score	412
Exons	7416..7793, 7417..7845		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o2.ts	Method	TBLASTX:Soybean
Start	7881	End	8261
GI	none	Score	69
Exons	7881..7967, 7882..7977, 8013..8261, 8017..8259		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o4.tw	Method	TBLASTX:Wheat
Start	7882	End	8304
GI	none	Score	390
Exons	7882..8304, 7887..8228		

Seq. No.	39310	Seq. ID	OJ000208_01.0403.C24
Gene No.	81123	Strand	+
Start	3631	End	8509
Name	OJ000208_01.0403.C24.o3.tm	Method	TBLASTX:Maize
Start	7945	End	8208
GI	none	Score	125
Exons	7945..8106, 8110..8208		

Seq. No.	39311	Seq. ID	OJ000208_01.0403.C25
Gene No.	81124	Strand	+
Start	1	End	331
Name	OJ000208_01.0403.C25.o1.np	Method	AAT/NAP
Start	1	End	331
GI	5902445	Score	465
Exons	1..331		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	39311	Seq. ID	OJ000208_01.0403.C25
Gene No.	81125	Strand	-
Start	665	End	2550
Name	OJ000208_01.0403.C25.o1.tw	Method	TBLASTX:Wheat
Start	2	End	277

GI	none	Score	130
Exons	2..178, 185..277		
Seq. No.	39311	Seq. ID	OJ000208_01.0403.C25
Gene No.	81125	Strand	-
Start	665	End	2550
Name	OJ000208_01.0403.C25.o1.tm	Method	TBLASTX:Maize
Start	20	End	283
GI	none	Score	165
Exons	20..202, 76..201, 181..282, 182..283		

Seq. No.	39311	Seq. ID	OJ000208_01.0403.C25
Gene No.	81125	Strand	-
Start	665	End	2550
Name	OJ000208_01.0403.C25.o1.gs	Method	GENSCAN
Start	665	End	2550
GI	none	Score	.82
Exons	665..1116, 1366..1555, 1630..1817, 1895..1973, 2127..2253, 2330..2550		

Seq. No.	39311	Seq. ID	OJ000208_01.0403.C25
Gene No.	81125	Strand	-
Start	665	End	2550
Name	OJ000208_01.0403.C25.o2.np	Method	AAT/NAP
Start	677	End	2504
GI	6691716	Score	1205
Exons	677..1116, 1190..1303, 1453..1555, 1630..1817, 1895..2080, 2153..2253, 2330..2504		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81126	Strand	-
Start	1	End	744
Name	OJ000208_01.0403.C26.o1.np	Method	AAT/NAP
Start	1	End	744
GI	5902448	Score	1255
Exons	1..744		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81126	Strand	-
Start	1	End	744
Name	OJ000208_01.0403.C26.o1.gs	Method	GENSCAN
Start	59	End	744
GI	none	Score	.96
Exons	59..744		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81127	Strand	-
Start	2075	End	8581
Name	OJ000208_01.0403.C26.o2.gs	Method	GENSCAN
Start	2075	End	8581
GI	none	Score	.82
Exons	2075..2293, 2317..3227, 3305..3632, 3716..3870, 4220..4265, 4385..4453, 7807..7939, 8018..8249, 8456..8581		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81127	Strand	-
Start	2075	End	8581
Name	OJ000208_01.0403.C26.o2.np	Method	AAT/NAP
Start	2152	End	4824
GI	1694711	Score	1289
Exons	2152..3227, 3305..3635, 3716..3950, 4071..4249, 4529..4824		
GI Descrip.	(Y09581) FRO1 [Arabidopsis thaliana]		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81128	Strand	-
Start	9103	End	9183
Name	OJ000208_01.0403.C26.o1.tw	Method	TBLASTX:Wheat
Start	337	End	624
GI	none	Score	208
Exons	337..624		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81128	Strand	-
Start	9103	End	9183
Name	OJ000208_01.0403.C26.o2.ts	Method	TBLASTX:Soybean
Start	2401	End	2671
GI	none	Score	83
Exons	2401..2670, 2417..2671		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81128	Strand	-
Start	9103	End	9183
Name	OJ000208_01.0403.C26.o1.tc	Method	TBLASTX:Cress
Start	2503	End	2808
GI	none	Score	74
Exons	2503..2670, 2734..2808		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81128	Strand	-
Start	9103	End	9183
Name	OJ000208_01.0403.C26.o1.ts	Method	TBLASTX:Soybean
Start	2806	End	3826
GI	none	Score	61
Exons	2806..2979, 3052..3225, 3073..3249, 3360..3428, 3399..3635, 3415..3624, 3713..3811, 3737..3826		

Seq. No.	39312	Seq. ID	OJ000208_01.0403.C26
Gene No.	81128	Strand	-
Start	9103	End	9183
Name	OJ000208_01.0403.C26.o1.gp	Method	AAT/GAP
Start	9103	End	9183
GI	3760640	Score	121
Exons	9103..9183		
GI Descrip.	4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81129	Strand	+
Start	138	End	240
Name	OJ000208_01.0403.C27.o1.gp	Method	AAT/GAP

Start	138	End	240
GI	LIB3477-003-P1-K1-E9	Score	157
Exons	138..240		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81130	Strand	+
Start	1241	End	3866
Name	OJ000208_01.0403.C27.o1.gs	Method	GENSCAN
Start	1241	End	3766
GI	none	Score	.76
Exons	1241..1425, 1604..1829, 2519..3349, 3597..3766		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81130	Strand	+
Start	1241	End	3866
Name	OJ000208_01.0403.C27.o2.np	Method	AAT/NAP
Start	1606	End	3866
GI	7485270	Score	464
Exons	1606..1667, 2958..3349, 3507..3866		
GI Descrip.	hypothetical protein A_IG005I10.9 - Arabidopsis thaliana gi 2252831 gb AAB62830.1 (AF013293) A_IG005I10.9 gene product [Arabidopsis thaliana] gi 6049873 gb AAF02788.1 AF195115_8 (AF195115) F5I10.9 gene product [Arabidopsis thaliana] gi 7267116 emb CAB80787.1 (AL161471) similarity to [Arabidopsis thaliana]		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81130	Strand	+
Start	1241	End	3866
Name	OJ000208_01.0403.C27.o2.gp	Method	AAT/GAP
Start	3073	End	3747
GI	uC-osrocyp009d11b1	Score	984
Exons	3073..3349, 3507..3747		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81131	Strand	-
Start	366	End	3631
Name	OJ000208_01.0403.C27.o1.np	Method	AAT/NAP
Start	366	End	3518
GI	7486309	Score	190
Exons	366..740, 3498..3518		
GI Descrip.	hypothetical protein F28M11.120 - Arabidopsis thaliana gi 4538984 emb CAB39772.1 (AL049487) putative protein [Arabidopsis thaliana] gi 7267716 emb CAB78143.1 (AL161516) putative protein [Arabidopsis thaliana]		

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81131	Strand	-
Start	366	End	3631
Name	OJ000208_01.0403.C27.o1.tm	Method	TBLASTX:Maize
Start	2777	End	3631
GI	none	Score	219

Exons 2777..2986, 2778..2987, 2779..2988, 2978..3349, 2982..3350,
3504..3620, 3506..3622, 3508..3621, 3514..3630, 3521..3631

Seq. No.	39313	Seq. ID	OJ000208_01.0403.C27
Gene No.	81132	Strand	
Start	3589	End	3767
Name	OJ000208_01.0403.C27.o1.tw	Method	TBLASTX:Wheat
Start	3589	End	3767
GI	none	Score	63
Exons	3589..3633, 3589..3630, 3603..3764, 3627..3767		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o6.tw	Method	TBLASTX:Wheat
Start	864	End	1256
GI	none	Score	58
Exons	864..911, 918..1016, 923..1015, 983..1222, 999..1256		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o4.tm	Method	TBLASTX:Maize
Start	869	End	1154
GI	none	Score	193
Exons	869..1153, 906..1154		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o3.tw	Method	TBLASTX:Wheat
Start	1994	End	2480
GI	none	Score	407
Exons	1994..2167, 1995..2480, 2189..2449, 2259..2453		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o1.tw	Method	TBLASTX:Wheat
Start	2645	End	3107
GI	none	Score	583
Exons	2645..3100, 2646..3107, 2646..3101		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o3.ts	Method	TBLASTX:Soybean
Start	2685	End	3050
GI	none	Score	117
Exons	2685..2909, 2916..3050		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	2775	End	3131
GI	none	Score	391

Exons 2775..3131, 2810..3121, 2826..3131

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o2.tm	Method	TBLASTX:Maize
Start	3158	End	3542
GI	none	Score	365
Exons	3158..3523, 3159..3542		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o2.tw	Method	TBLASTX:Wheat
Start	3215	End	3635
GI	none	Score	495
Exons	3215..3628, 3216..3635		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o1.ts	Method	TBLASTX:Soybean
Start	3264	End	3665
GI	none	Score	280
Exons	3264..3665, 3311..3454		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o5.tw	Method	TBLASTX:Wheat
Start	4097	End	4531
GI	none	Score	236
Exons	4097..4348, 4112..4321, 4162..4338, 4382..4531, 4391..4528, 4393..4530		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o2.ts	Method	TBLASTX:Soybean
Start	4220	End	4786
GI	5666795	Score	68
Exons	4220..4318, 4394..4531, 4586..4786		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o8.tw	Method	TBLASTX:Wheat
Start	4534	End	4846
GI	none	Score	184
Exons	4534..4710, 4586..4846		

Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o3.tm	Method	TBLASTX:Maize
Start	5048	End	5362

GI	none	Score	350
Exons	5048..5362, 5083..5349		
Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o4.tw	Method	TBLASTX:Wheat
Start	5176	End	5557
GI	none	Score	370
Exons	5176..5232, 5177..5557, 5180..5518, 5278..5526		
Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o7.tw	Method	TBLASTX:Wheat
Start	5558	End	9047
GI	none	Score	269
Exons	5558..5842, 5562..5633, 5563..5661, 5698..5868, 5698..5841, 6034..6156, 6035..6160, 8964..9047		
Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o5.tm	Method	TBLASTX:Maize
Start	6029	End	6172
GI	none	Score	184
Exons	6029..6172, 6034..6168		
Seq. No.	39314	Seq. ID	OJ000108_59.0310.C7
Gene No.	81133	Strand	+
Start	12593	End	13719
Name	OJ000108_59.0310.C7.o1.gp	Method	AAT/GAP
Start	12593	End	13719
GI	2139_1.R1084	Score	411
Exons	12593..12749, 13616..13719		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	39315	Seq. ID	OJ000108_59.0310.C8
Gene No.	81134	Strand	-
Start	1	End	133
Name	OJ000108_59.0310.C8.o1.gp	Method	AAT/GAP
Start	1	End	133
GI	2139_1.R1084	Score	262
Exons	1..133		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	39316	Seq. ID	OJ000108_59.0310.C9
Gene No.	81135	Strand	
Start	3686	End	3885
Name	OJ000108_59.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	3686	End	3885
GI	none	Score	231
Exons	3686..3883, 3687..3719, 3740..3883, 3802..3885		
Seq. No.	39317	Seq. ID	OJ000108_59.0310.C10

Gene No.	81136	Strand	
Start	91	End	321
Name	OJ000108_59.0310.C10.o2.tm	Method	TBLASTX:Maize
Start	91	End	321
GI	none	Score	206
Exons	91..207, 91..204, 92..205, 292..321		
Seq. No.	39317	Seq. ID	OJ000108_59.0310.C10
Gene No.	81137	Strand	
Start	292	End	925
Name	OJ000108_59.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	292	End	735
GI	none	Score	400
Exons	292..597, 348..593, 679..735		
Seq. No.	39317	Seq. ID	OJ000108_59.0310.C10
Gene No.	81137	Strand	
Start	292	End	925
Name	OJ000108_59.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	334	End	597
GI	none	Score	84
Exons	334..423, 430..597, 456..563		
Seq. No.	39317	Seq. ID	OJ000108_59.0310.C10
Gene No.	81137	Strand	
Start	292	End	925
Name	OJ000108_59.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	384	End	925
GI	none	Score	345
Exons	384..596, 385..597, 392..601, 678..740, 679..741, 845..925		
Seq. No.	39318	Seq. ID	OJ000108_59.0310.C11
Gene No.	81138	Strand	
Start	5199	End	6103
Name	OJ000108_59.0310.C11.o2.tm	Method	TBLASTX:Maize
Start	5199	End	5578
GI	none	Score	43
Exons	5199..5225, 5307..5354, 5316..5357, 5408..5578, 5412..5573		
Seq. No.	39318	Seq. ID	OJ000108_59.0310.C11
Gene No.	81138	Strand	
Start	5199	End	6103
Name	OJ000108_59.0310.C11.o2.ts	Method	TBLASTX:Soybean
Start	5394	End	5605
GI	5753597	Score	156
Exons	5394..5549, 5408..5605, 5412..5570		
GI Descrip.	-		
Seq. No.	39318	Seq. ID	OJ000108_59.0310.C11
Gene No.	81138	Strand	
Start	5199	End	6103
Name	OJ000108_59.0310.C11.o1.tc	Method	TBLASTX:Cress
Start	5408	End	5956
GI	none	Score	133
Exons	5408..5593, 5418..5570, 5687..5758, 5691..5744, 5855..5956, 5856..5954		

Seq. No.	39318	Seq. ID	OJ000108_59.0310.C11
Gene No.	81138	Strand	
Start	5199	End	6103
Name	OJ000108_59.0310.C11.o1.ts	Method	TBLASTX:Soybean
Start	5618	End	6103
GI	none	Score	150
Exons	5618..5758, 5819..6103, 5856..6038, 5861..6046, 6042..6086		

Seq. No.	39318	Seq. ID	OJ000108_59.0310.C11
Gene No.	81138	Strand	
Start	5199	End	6103
Name	OJ000108_59.0310.C11.o1.tm	Method	TBLASTX:Maize
Start	5775	End	6088
GI	none	Score	397
Exons	5775..6086, 5777..6088		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81139	Strand	
Start	2	End	3464
Name	OJ000108_59.0310.C12.o2.tc	Method	TBLASTX:Cress
Start	2	End	3464
GI	none	Score	97
Exons	2..94, 9..95, 95..196, 3042..3236, 3127..3237, 3324..3356, 3324..3362, 3372..3464		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81139	Strand	
Start	2	End	3464
Name	OJ000108_59.0310.C12.o3.tm	Method	TBLASTX:Maize
Start	2	End	197
GI	none	Score	184
Exons	2..193, 2..196, 3..194, 3..197		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81139	Strand	
Start	2	End	3464
Name	OJ000108_59.0310.C12.o4.ts	Method	TBLASTX:Soybean
Start	5	End	3107
GI	none	Score	135
Exons	5..211, 6..146, 7..147, 150..194, 3042..3107		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81139	Strand	
Start	2	End	3464
Name	OJ000108_59.0310.C12.o2.tm	Method	TBLASTX:Maize
Start	3141	End	3464
GI	none	Score	127
Exons	3141..3236, 3142..3237, 3321..3371, 3337..3375, 3366..3464, 3367..3402		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81140	Strand	
Start	4652	End	5521
Name	OJ000108_59.0310.C12.o1.tc	Method	TBLASTX:Cress
Start	4652	End	5323
GI	none	Score	38
Exons	4652..4729, 4657..4728, 4763..4909, 4764..4910, 4905..5027,		

4907..5026, 5024..5119, 5040..5087, 5129..5323

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81140	Strand	
Start	4652	End	5521
Name	OJ000108_59.0310.C12.o1.ts	Method	TBLASTX:Soybean
Start	4811	End	5254
GI	none	Score	98
Exons	4811..5119, 5141..5254		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81140	Strand	
Start	4652	End	5521
Name	OJ000108_59.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	4907	End	5372
GI	none	Score	115
Exons	4907..5125, 4965..5084, 5138..5362, 5142..5372, 5142..5363		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81140	Strand	
Start	4652	End	5521
Name	OJ000108_59.0310.C12.o1.tw	Method	TBLASTX:Wheat
Start	5060	End	5497
GI	none	Score	59
Exons	5060..5113, 5147..5323, 5190..5324, 5348..5497		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81140	Strand	
Start	4652	End	5521
Name	OJ000108_59.0310.C12.o3.ts	Method	TBLASTX:Soybean
Start	5258	End	5521
GI	none	Score	83
Exons	5258..5521, 5262..5516		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81141	Strand	
Start	5435	End	5887
Name	OJ000108_59.0310.C12.o4.tm	Method	TBLASTX:Maize
Start	5435	End	5857
GI	none	Score	52
Exons	5435..5590, 5621..5749, 5655..5792, 5771..5857, 5775..5843		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81141	Strand	
Start	5435	End	5887
Name	OJ000108_59.0310.C12.o2.ts	Method	TBLASTX:Soybean
Start	5615	End	5884
GI	none	Score	80
Exons	5615..5884, 5649..5828		

Seq. No.	39319	Seq. ID	OJ000108_59.0310.C12
Gene No.	81141	Strand	
Start	5435	End	5887
Name	OJ000108_59.0310.C12.o2.tw	Method	TBLASTX:Wheat
Start	5684	End	5887
GI	none	Score	58
Exons	5684..5752, 5694..5750, 5771..5848, 5771..5887		

Seq. No.	39320	Seq. ID	OJ000108_59.0310.C13
Gene No.	81142	Strand	
Start	1336	End	1830
Name	OJ000108_59.0310.C13.o1.tw	Method	TBLASTX:Wheat
Start	1336	End	1830
GI	none	Score	98
Exons	1336..1518, 1534..1830, 1611..1820		

Seq. No.	39320	Seq. ID	OJ000108_59.0310.C13
Gene No.	81142	Strand	
Start	1336	End	1830
Name	OJ000108_59.0310.C13.o1.ts	Method	TBLASTX:Soybean
Start	1348	End	1728
GI	none	Score	116
Exons	1348..1554, 1537..1728		

Seq. No.	39321	Seq. ID	OJ000108_59.0310.C16
Gene No.	81143	Strand	
Start	442	End	770
Name	OJ000108_59.0310.C16.o1.tm	Method	TBLASTX:Maize
Start	442	End	770
GI	none	Score	46
Exons	442..564, 443..565, 543..671, 552..647, 678..755, 678..770, 691..756		

Seq. No.	39322	Seq. ID	OJ000108_59.0310.C21
Gene No.	81144	Strand	
Start	431	End	702
Name	OJ000108_59.0310.C21.o1.tm	Method	TBLASTX:Maize
Start	431	End	678
GI	none	Score	51
Exons	431..511, 443..511, 470..676, 508..678, 508..678		

Seq. No.	39322	Seq. ID	OJ000108_59.0310.C21
Gene No.	81144	Strand	
Start	431	End	702
Name	OJ000108_59.0310.C21.o1.ts	Method	TBLASTX:Soybean
Start	507	End	672
GI	none	Score	171
Exons	507..668, 512..670, 514..672		

Seq. No.	39322	Seq. ID	OJ000108_59.0310.C21
Gene No.	81144	Strand	
Start	431	End	702
Name	OJ000108_59.0310.C21.o1.tc	Method	TBLASTX:Cress
Start	512	End	702
GI	none	Score	236
Exons	512..679, 514..702, 514..702		

Seq. No.	39323	Seq. ID	OJ000108_59.0310.C25
Gene No.	81145	Strand	-
Start	885	End	1100
Name	OJ000108_59.0310.C25.o1.gp	Method	AAT/GAP
Start	885	End	1100
GI	LIB3477-003-P1-K1-E9	Score	126
Exons	885..907, 1024..1100		

GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
sativa]'

Seq. No.	39324	Seq. ID	OJ000108_59.0310.C29
Gene No.	81146	Strand	
Start	729	End	1387
Name	OJ000108_59.0310.C29.o1.tw	Method	TBLASTX:Wheat
Start	729	End	1387
GI	none	Score	262
Exons	729..929, 733..987, 739..975, 1313..1387		

Seq. No.	39324	Seq. ID	OJ000108_59.0310.C29
Gene No.	81146	Strand	
Start	729	End	1387
Name	OJ000108_59.0310.C29.o1.tm	Method	TBLASTX:Maize
Start	769	End	1035
GI	none	Score	214
Exons	769..1035, 769..969		

Seq. No.	39324	Seq. ID	OJ000108_59.0310.C29
Gene No.	81146	Strand	
Start	729	End	1387
Name	OJ000108_59.0310.C29.o1.ts	Method	TBLASTX:Soybean
Start	769	End	969
GI	none	Score	209
Exons	769..969, 769..969		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81147	Strand	
Start	591	End	913
Name	OJ000108_59.0310.C35.o1.tm	Method	TBLASTX:Maize
Start	591	End	913
GI	none	Score	264
Exons	591..845, 598..912, 618..911, 746..913		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81148	Strand	
Start	1412	End	2141
Name	OJ000108_59.0310.C35.o1.tw	Method	TBLASTX:Wheat
Start	1412	End	2141
GI	none	Score	908
Exons	1412..1873, 1413..2141, 1419..2141		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81148	Strand	
Start	1412	End	2141
Name	OJ000108_59.0310.C35.o3.ts	Method	TBLASTX:Soybean
Start	1413	End	1736
GI	none	Score	120
Exons	1413..1553, 1424..1558, 1565..1609, 1566..1736		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o1.ts	Method	TBLASTX:Soybean
Start	2061	End	2510

GI	5509260	Score	372
Exons	2061..2510, 2156..2380, 2453..2506		
GI Descrip.	-		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o1.tc	Method	TBLASTX:Cress
Start	2154	End	2414
GI	none	Score	273
Exons	2154..2414, 2156..2326		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o2.tm	Method	TBLASTX:Maize
Start	2195	End	2659
GI	none	Score	299
Exons	2195..2506, 2196..2507, 2331..2513, 2537..2659		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o2.tw	Method	TBLASTX:Wheat
Start	2196	End	2962
GI	none	Score	303
Exons	2196..2516, 2213..2236, 2343..2516, 2534..2740, 2608..2730, 2891..2962		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o2.ts	Method	TBLASTX:Soybean
Start	2593	End	2938
GI	none	Score	314
Exons	2593..2793, 2594..2938		

Seq. No.	39325	Seq. ID	OJ000108_59.0310.C35
Gene No.	81149	Strand	
Start	2061	End	3046
Name	OJ000108_59.0310.C35.o3.tm	Method	TBLASTX:Maize
Start	2749	End	3046
GI	none	Score	276
Exons	2749..3042, 2750..3046		

Seq. No.	39326	Seq. ID	OJ000108_43.0309.C2
Gene No.	81150	Strand	+
Start	175	End	751
Name	OJ000108_43.0309.C2.o1.gp	Method	AAT/GAP
Start	175	End	751
GI	2310235	Score	298
Exons	175..212, 613..751		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	39326	Seq. ID	OJ000108_43.0309.C2
Gene No.	81151	Strand	

Start	964	End	1315
Name	OJ000108_43.0309.C2.o1.tw	Method	TBLASTX:Wheat
Start	964	End	1315
GI	none	Score	103
Exons	964..1071, 1054..1305, 1062..1304, 1064..1315		
Seq. No.	39326	Seq. ID	OJ000108_43.0309.C2
Gene No.	81151	Strand	
Start	964	End	1315
Name	OJ000108_43.0309.C2.o1.ts	Method	TBLASTX:Soybean
Start	1087	End	1305
GI	none	Score	238
Exons	1087..1305, 1095..1301		
Seq. No.	39327	Seq. ID	OJ000108_43.0309.C6
Gene No.	81152	Strand	-
Start	7913	End	8125
Name	OJ000108_43.0309.C6.o1.gp	Method	AAT/GAP
Start	7913	End	8125
GI	LIB3477-003-P1-K1-E9	Score	130
Exons	7913..7940, 8051..8125		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)>gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o3.tm	Method	TBLASTX:Maize
Start	2658	End	20492
GI	none	Score	77
Exons	2658..2891, 2743..2889, 20409..20492		
Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	2969	End	3335
GI	none	Score	72
Exons	2969..3019, 3037..3135, 3038..3118, 3153..3335		
Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	3066	End	3534
GI	none	Score	52
Exons	3066..3533, 3092..3148, 3172..3534		
Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o1.gp	Method	AAT/GAP
Start	3795	End	4556
GI	20519_1.R1084	Score	788
Exons	3795..3946, 4135..4210, 4337..4556		
GI Descrip.	'1922242/emb CAA71173 4.0e-16 (Y10084) hypothetical protein		

[Arabidopsis thaliana]'

Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o1.ts	Method	TBLASTX:Soybean
Start	4129	End	4428
GI	none	Score	98
Exons	4129..4212, 4330..4428		
Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o2.tm	Method	TBLASTX:Maize
Start	4132	End	4425
GI	none	Score	118
Exons	4132..4215, 4134..4217, 4336..4425, 4336..4425		
Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o2.tw	Method	TBLASTX:Wheat
Start	4132	End	4458
GI	none	Score	113
Exons	4132..4212, 4134..4214, 4336..4380, 4336..4380, 4381..4428, 4381..4428, 4426..4458, 4435..4458		
Seq. No.	39328	Seq. ID	OJ000108_43.0309.C8
Gene No.	81153	Strand	+
Start	3795	End	20492
Name	OJ000108_43.0309.C8.o2.gp	Method	AAT/GAP
Start	4446	End	4842
GI	none	Score	601
Exons	4446..4842		
Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o1.tc	Method	TBLASTX:Cress
Start	1997	End	2599
GI	none	Score	64
Exons	1997..2209, 2225..2362, 2372..2476, 2471..2599		
Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	1997	End	2419
GI	none	Score	301
Exons	1997..2419, 2001..2402		
Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o2.ts	Method	TBLASTX:Soybean
Start	2000	End	2398
GI	none	Score	53

Exons 2000..2113, 2007..2105, 2123..2398, 2126..2389, 2136..2396

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o2.tw	Method	TBLASTX:Wheat
Start	2024	End	2477
GI	none	Score	63
Exons	2024..2224, 2025..2213, 2240..2392, 2243..2446, 2256..2477		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o2.tm	Method	TBLASTX:Maize
Start	2470	End	2920
GI	none	Score	86
Exons	2470..2721, 2475..2786, 2483..2800, 2493..2786, 2705..2800, 2762..2920, 2832..2912		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o1.tw	Method	TBLASTX:Wheat
Start	2573	End	3352
GI	none	Score	69
Exons	2573..2917, 2738..2956, 3023..3352, 3039..3350		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o1.ts	Method	TBLASTX:Soybean
Start	2941	End	3331
GI	none	Score	123
Exons	2941..3207, 2983..3207, 2984..3331, 3039..3329		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o3.tm	Method	TBLASTX:Maize
Start	2975	End	3356
GI	none	Score	96
Exons	2975..3355, 3060..3356		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81154	Strand	
Start	1997	End	3356
Name	OJ000108_43.0309.C10.o2.tc	Method	TBLASTX:Cress
Start	3149	End	3355
GI	none	Score	65
Exons	3149..3355, 3183..3350		

Seq. No.	39329	Seq. ID	OJ000108_43.0309.C10
Gene No.	81155	Strand	
Start	3353	End	3500
Name	OJ000108_43.0309.C10.o3.tw	Method	TBLASTX:Wheat
Start	3353	End	3500
GI	none	Score	158

Exons 3353..3499, 3354..3500

Seq. No.	39330	Seq. ID	OJ000108_43.0309.C13
Gene No.	81156	Strand	+
Start	1474	End	1855
Name	OJ000108_43.0309.C13.o1.gp	Method	AAT/GAP
Start	1474	End	1855
GI	uC-osflcyp033a04b1	Score	691
Exons	1474..1855		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39330	Seq. ID	OJ000108_43.0309.C13
Gene No.	81157	Strand	
Start	2556	End	2783
Name	OJ000108_43.0309.C13.o3.tw	Method	TBLASTX:Wheat
Start	2556	End	2783
GI	none	Score	194
Exons	2556..2783, 2558..2782		

Seq. No.	39330	Seq. ID	OJ000108_43.0309.C13
Gene No.	81158	Strand	
Start	3414	End	3869
Name	OJ000108_43.0309.C13.o2.tw	Method	TBLASTX:Wheat
Start	3414	End	3869
GI	none	Score	141
Exons	3414..3596, 3425..3595, 3633..3869, 3635..3859		

Seq. No.	39330	Seq. ID	OJ000108_43.0309.C13
Gene No.	81159	Strand	
Start	4061	End	4493
Name	OJ000108_43.0309.C13.o1.tw	Method	TBLASTX:Wheat
Start	4061	End	4493
GI	none	Score	500
Exons	4061..4492, 4062..4493, 4062..4493		

Seq. No.	39330	Seq. ID	OJ000108_43.0309.C13
Gene No.	81159	Strand	
Start	4061	End	4493
Name	OJ000108_43.0309.C13.o1.tm	Method	TBLASTX:Maize
Start	4191	End	4493
GI	none	Score	361
Exons	4191..4493, 4253..4492		

Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81160	Strand	
Start	1	End	435
Name	OJ000108_43.0309.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	342
GI	none	Score	229
Exons	1..342		

Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81160	Strand	
Start	1	End	435
Name	OJ000108_43.0309.C14.o3.tw	Method	TBLASTX:Wheat
Start	3	End	363

GI	none	Score	318
Exons	3..353, 4..363		
Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81160	Strand	
Start	1	End	435
Name	OJ000108_43.0309.C14.o2.tm	Method	TBLASTX:Maize
Start	9	End	435
GI	none	Score	247
Exons	9..242, 10..264, 283..357, 409..435		
Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81161	Strand	
Start	363	End	590
Name	OJ000108_43.0309.C14.o5.tw	Method	TBLASTX:Wheat
Start	363	End	590
GI	none	Score	132
Exons	363..494, 364..498, 486..590		
Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81162	Strand	
Start	4047	End	4421
Name	OJ000108_43.0309.C14.o4.tw	Method	TBLASTX:Wheat
Start	4047	End	4421
GI	none	Score	247
Exons	4047..4421, 4112..4279		
Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81163	Strand	
Start	4697	End	5083
Name	OJ000108_43.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	4697	End	5002
GI	none	Score	301
Exons	4697..5002, 4714..5001		
Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81163	Strand	
Start	4697	End	5083
Name	OJ000108_43.0309.C14.o2.tw	Method	TBLASTX:Wheat
Start	4697	End	5083
GI	none	Score	333
Exons	4697..5083, 4705..4893, 4930..5079		
Seq. No.	39331	Seq. ID	OJ000108_43.0309.C14
Gene No.	81164	Strand	
Start	5235	End	5811
Name	OJ000108_43.0309.C14.o1.tw	Method	TBLASTX:Wheat
Start	5235	End	5811
GI	none	Score	310
Exons	5235..5303, 5236..5655, 5352..5459, 5680..5811		
Seq. No.	39332	Seq. ID	OJ000108_43.0309.C17
Gene No.	81165	Strand	+
Start	6183	End	6429
Name	OJ000108_43.0309.C17.o1.tc	Method	TBLASTX:Cress
Start	1979	End	2276
GI	none	Score	133

Exons 1979..2041, 1980..2084, 2186..2275, 2190..2276

Seq. No.	39332	Seq. ID	OJ000108_43.0309.C17
Gene No.	81165	Strand	+
Start	6183	End	6429
Name	OJ000108_43.0309.C17.o1.ts	Method	TBLASTX:Soybean
Start	1979	End	4913
GI	none	Score	137
Exons	1979..2041, 1980..2084, 2038..2073, 2190..2282, 2190..2282, 4626..4679, 4676..4900, 4740..4913		

Seq. No.	39332	Seq. ID	OJ000108_43.0309.C17
Gene No.	81165	Strand	+
Start	6183	End	6429
Name	OJ000108_43.0309.C17.o1.tm	Method	TBLASTX:Maize
Start	1980	End	4919
GI	none	Score	124
Exons	1980..2084, 2189..2284, 2190..2282, 4626..4679, 4718..4903, 4725..4913, 4725..4919		

Seq. No.	39332	Seq. ID	OJ000108_43.0309.C17
Gene No.	81165	Strand	+
Start	6183	End	6429
Name	OJ000108_43.0309.C17.o1.tw	Method	TBLASTX:Wheat
Start	4626	End	4913
GI	none	Score	78
Exons	4626..4679, 4628..4675, 4740..4913, 4766..4903		

Seq. No.	39332	Seq. ID	OJ000108_43.0309.C17
Gene No.	81165	Strand	+
Start	6183	End	6429
Name	OJ000108_43.0309.C17.o1.gp	Method	AAT/GAP
Start	6183	End	6429
GI	1103_1.R1084	Score	463
Exons	6183..6429		
GI Descrip.	'131225/sp P23993 PSAL_HORVU 7.0e-95 PHOTOSYSTEM I REACTION CENTRE SUBUNIT XI PRECURSOR (SUBUNIT V) (PSI-L) >gi_100605_pir_A39759 photosystem I 18K protein precursor - barley >gi_167087 (M61146) photosystem I hydrophobic protein [Hordeum vulgare]'		

Seq. No.	39333	Seq. ID	OJ000108_43.0309.C18
Gene No.	81166	Strand	-
Start	1	End	694
Name	OJ000108_43.0309.C18.o1.gp	Method	AAT/GAP
Start	1	End	694
GI	1103_1.R1084	Score	1384
Exons	1..694		
GI Descrip.	'131225/sp P23993 PSAL_HORVU 7.0e-95 PHOTOSYSTEM I REACTION CENTRE SUBUNIT XI PRECURSOR (SUBUNIT V) (PSI-L) >gi_100605_pir_A39759 photosystem I 18K protein precursor - barley >gi_167087 (M61146) photosystem I hydrophobic protein [Hordeum vulgare]'		

Seq. No.	39333	Seq. ID	OJ000108_43.0309.C18
Gene No.	81166	Strand	-
Start	1	End	694

Name	OJ000108_43.0309.C18.o1.ts	Method	TBLASTX:Soybean
Start	1	End	457
GI	none	Score	569
Exons	1..456, 2..457		
Seq. No.	39333	Seq. ID	OJ000108_43.0309.C18
Gene No.	81166	Strand	-
Start	1	End	694
Name	OJ000108_43.0309.C18.o1.tc	Method	TBLASTX:Cress
Start	1	End	448
GI	none	Score	530
Exons	1..447, 2..448		
Seq. No.	39333	Seq. ID	OJ000108_43.0309.C18
Gene No.	81166	Strand	-
Start	1	End	694
Name	OJ000108_43.0309.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	459
GI	none	Score	623
Exons	1..459, 2..445		
Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81167	Strand	-
Start	2815	End	2897
Name	OJ000108_43.0309.C20.o1.gp	Method	AAT/GAP
Start	2815	End	2897
GI	38012_1.R1084	Score	104
Exons	2815..2897		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		
Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81168	Strand	-
Start	9135	End	9283
Name	OJ000108_43.0309.C20.o2.gp	Method	AAT/GAP
Start	9135	End	9283
GI	uC-osflcyp177g01a1	Score	244
Exons	9135..9283		
GI Descrip.	'4884864/gb AAD31846.1 AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		
Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81169	Strand	-
Start	10700	End	10990
Name	OJ000108_43.0309.C20.o4.tw	Method	TBLASTX:Wheat
Start	10700	End	10990
GI	none	Score	217
Exons	10700..10990, 10840..10953		
Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81170	Strand	-
Start	13871	End	14528
Name	OJ000108_43.0309.C20.o2.tw	Method	TBLASTX:Wheat
Start	13871	End	14485
GI	none	Score	80
Exons	13871..14008, 13994..14152, 14207..14485, 14223..14324, 14376..14465		

Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81170	Strand	
Start	13871	End	14528
Name	OJ000108_43.0309.C20.o2.tm	Method	TBLASTX:Maize
Start	13910	End	14143
GI	none	Score	88
Exons	13910..14011, 13911..14012, 13991..14143, 13992..14051		

Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81170	Strand	
Start	13871	End	14528
Name	OJ000108_43.0309.C20.o3.tm	Method	TBLASTX:Maize
Start	14255	End	14528
GI	none	Score	56
Exons	14255..14341, 14351..14434, 14364..14438, 14421..14528, 14429..14527		

Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81171	Strand	
Start	14600	End	14992
Name	OJ000108_43.0309.C20.o1.tw	Method	TBLASTX:Wheat
Start	14600	End	14987
GI	none	Score	109
Exons	14600..14785, 14600..14986, 14676..14987		

Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81171	Strand	
Start	14600	End	14992
Name	OJ000108_43.0309.C20.o1.tm	Method	TBLASTX:Maize
Start	14669	End	14992
GI	none	Score	278
Exons	14669..14992, 14682..14972		

Seq. No.	39334	Seq. ID	OJ000108_43.0309.C20
Gene No.	81172	Strand	
Start	15224	End	15605
Name	OJ000108_43.0309.C20.o3.tw	Method	TBLASTX:Wheat
Start	15224	End	15605
GI	none	Score	68
Exons	15224..15424, 15424..15519, 15428..15523, 15516..15605, 15517..15585		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81173	Strand	+
Start	3756	End	4042
Name	OJ000108_43.0309.C21.o1.gp	Method	AAT/GAP
Start	3756	End	4042
GI	5816559	Score	453
Exons	3756..4042		
GI Descrip.	4680178/gb AF111709.1 AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81174	Strand	+
Start	5539	End	5681

Name	OJ000108_43.0309.C21.o2.gp	Method	AAT/GAP
Start	5539	End	5681
GI	21474_1.R1084	Score	247
Exons	5539..5681		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o6.tw	Method	TBLASTX:Wheat
Start	2	End	236
GI	none	Score	106
Exons	2..235, 3..236		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o1.tm	Method	TBLASTX:Maize
Start	206	End	562
GI	none	Score	82
Exons	206..499, 206..562, 216..521		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o1.tw	Method	TBLASTX:Wheat
Start	236	End	692
GI	none	Score	271
Exons	236..691, 237..692		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o1.ts	Method	TBLASTX:Soybean
Start	287	End	652
GI	none	Score	138
Exons	287..421, 428..652		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o3.tw	Method	TBLASTX:Wheat
Start	912	End	1369
GI	none	Score	154
Exons	912..1148, 914..1144, 1193..1369		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o2.tm	Method	TBLASTX:Maize
Start	914	End	1061
GI	none	Score	114
Exons	914..1060, 915..1061		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-

Start	11362	End	12950
Name	OJ000108_43.0309.C21.o4.tw	Method	TBLASTX:Wheat
Start	1946	End	2348
GI	none	Score	117
Exons	1946..2347, 2079..2348		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o7.tw	Method	TBLASTX:Wheat
Start	6709	End	7231
GI	none	Score	68
Exons	6709..6780, 6880..7062, 6887..7012, 7151..7231		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o5.tw	Method	TBLASTX:Wheat
Start	8682	End	9085
GI	none	Score	84
Exons	8682..8852, 8815..8982, 8847..9083, 8934..9083, 8945..9085, 8975..9085		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o3.gp	Method	AAT/GAP
Start	11362	End	12950
GI	342_1.R1084	Score	2377
Exons	11362..11883, 11993..12088, 12171..12190, 12226..12950		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	39335	Seq. ID	OJ000108_43.0309.C21
Gene No.	81175	Strand	-
Start	11362	End	12950
Name	OJ000108_43.0309.C21.o2.tw	Method	TBLASTX:Wheat
Start	12373	End	12939
GI	none	Score	52
Exons	12373..12465, 12374..12439, 12454..12534, 12471..12542, 12547..12687, 12548..12688, 12635..12730, 12667..12726, 12733..12777, 12738..12773, 12772..12939, 12788..12931		

Seq. No.	39336	Seq. ID	OJ000108_43.0309.C22
Gene No.	81176	Strand	-
Start	1	End	1097
Name	OJ000108_43.0309.C22.o1.gp	Method	AAT/GAP
Start	1	End	1097
GI	342_1.R1084	Score	2005
Exons	1..1097		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	39336	Seq. ID	OJ000108_43.0309.C22
Gene No.	81176	Strand	-
Start	1	End	1097
Name	OJ000108_43.0309.C22.o3.tw	Method	TBLASTX:Wheat

Start 3
 GI none
 Exons 3..203, 4..204, 10..204

End 204
 Score 201

Seq. No. 39336 Seq. ID OJ000108_43.0309.C22
 Gene No. 81176 Strand -
 Start 1 End 1097
 Name OJ000108_43.0309.C22.o1.tw Method TBLASTX:Wheat
 Start 205 End 654
 GI none Score 113
 Exons 205..330, 207..335, 207..329, 363..581, 403..585, 591..653, 604..654

Seq. No. 39336 Seq. ID OJ000108_43.0309.C22
 Gene No. 81176 Strand -
 Start 1 End 1097
 Name OJ000108_43.0309.C22.o1.ts Method TBLASTX:Soybean
 Start 687 End 929
 GI none Score 59
 Exons 687..929, 739..843

Seq. No. 39336 Seq. ID OJ000108_43.0309.C22
 Gene No. 81176 Strand -
 Start 1 End 1097
 Name OJ000108_43.0309.C22.o1.tm Method TBLASTX:Maize
 Start 759 End 1097
 GI none Score 141
 Exons 759..953, 963..1097

Seq. No. 39336 Seq. ID OJ000108_43.0309.C22
 Gene No. 81176 Strand -
 Start 1 End 1097
 Name OJ000108_43.0309.C22.o2.tw Method TBLASTX:Wheat
 Start 793 End 1097
 GI none Score 173
 Exons 793..999, 793..1002, 798..1022, 1002..1097, 1003..1080

Seq. No. 39337 Seq. ID OJ000108_43.0309.C26
 Gene No. 81177 Strand +
 Start 5166 End 6571
 Name OJ000108_43.0309.C26.o3.gp Method AAT/GAP
 Start 5166 End 6571
 GI 43425_1.R1084 Score 946
 Exons 5166..5381, 5649..5707, 5816..5891, 5980..6051, 6147..6234, 6543..6571

GI Descrip. '1362162/pir||A57512 3.0e-51 beta-glucosidase BGQ60 precursor - barley >gi_804656 (L41869) beta-glucosidase [Hordeum vulgare]'

Seq. No. 39337 Seq. ID OJ000108_43.0309.C26
 Gene No. 81178 Strand +
 Start 6695 End 7433
 Name OJ000108_43.0309.C26.o4.gp Method AAT/GAP
 Start 6695 End 7433
 GI uC-osflcyp157d12b1 Score 805
 Exons 6695..6790, 6887..6998, 7089..7300, 7398..7433
 GI Descrip. '1362162/pir||A57512 3.0e-38 beta-glucosidase BGQ60 precursor - barley >gi_804656 (L41869) beta-glucosidase [Hordeum vulgare]'

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81179	Strand	+
Start	7584	End	8219
Name	OJ000108_43.0309.C26.o5.gp	Method	AAT/GAP
Start	7584	End	8219
GI	37107_1.R1084	Score	952
Exons	7584..7610, 7725..8219		
GI Descrip.	'1362162/pir A57512 2.0e-28 beta-glucosidase BGQ60 precursor - barley >gi_804656 (L41869) beta-glucosidase [Hordeum vulgare]'		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81180	Strand	+
Start	9223	End	10108
Name	OJ000108_43.0309.C26.o6.gp	Method	AAT/GAP
Start	9223	End	10108
GI	1450_1.R1084	Score	763
Exons	9223..9353, 9450..9590, 9687..9773, 10018..10108		
GI Descrip.	'4337177/gb AAD18098 1.0e-163 (AC006416) Identical to gb_Y10557 g5bf gene from Arabidopsis thaliana. ESTs gb_R30578, gb_R90475, gb_T22384, gb_T22425, gb_N64934 and gb_T46767 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81181	Strand	-
Start	1137	End	2131
Name	OJ000108_43.0309.C26.o2.ts	Method	TBLASTX:Soybean
Start	1079	End	2044
GI	none	Score	65
Exons	1079..1195, 1133..1195, 1137..1196, 1268..1351, 1273..1350, 1278..1352, 1485..1568, 1486..1572, 1642..1737, 1644..1739, 1841..1900, 1985..2044		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81181	Strand	-
Start	1137	End	2131
Name	OJ000108_43.0309.C26.o4.tm	Method	TBLASTX:Maize
Start	1088	End	2053
GI	none	Score	56
Exons	1088..1195, 1266..1352, 1443..1568, 1486..1581, 1642..1737, 1644..1736, 1841..1900, 1985..2053		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81181	Strand	-
Start	1137	End	2131
Name	OJ000108_43.0309.C26.o1.gp	Method	AAT/GAP
Start	1137	End	1891
GI	5532_1.R1084	Score	543
Exons	1137..1198, 1278..1349, 1494..1565, 1644..1736, 1833..1891		
GI Descrip.	'2131161/pir S67800 4.0e-49 4-nitrophenylphosphatase (EC 3.1.3.41) - yeast (Saccharomyces cerevisiae) >gi_1431400_emb_CAA98816_ (Z74284) ORF YDL236w [Saccharomyces cerevisiae]'		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81181	Strand	-
Start	1137	End	2131

Name	OJ000108_43.0309.C26.o2.tc	Method	TBLASTX:Cress
Start	1503	End	2107
GI	none	Score	135
Exons	1503..1550, 1642..1737, 1644..1739, 1841..1900, 1985..2107		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81181	Strand	-
Start	1137	End	2131
Name	OJ000108_43.0309.C26.o2.gp	Method	AAT/GAP
Start	1653	End	2131
GI	none	Score	518
Exons	1653..1736, 1833..1904, 1987..2131		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	
Start	5254	End	8002
Name	OJ000108_43.0309.C26.o3.tc	Method	TBLASTX:Cress
Start	5254	End	6723
GI	none	Score	162
Exons	5254..5391, 5255..5389, 5648..5725, 5813..5920, 5982..6044, 6149..6235, 6543..6605, 6544..6681, 6546..6623, 6696..6722, 6697..6723		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	
Start	5254	End	8002
Name	OJ000108_43.0309.C26.o1.ts	Method	TBLASTX:Soybean
Start	5255	End	7984
GI	none	Score	169
Exons	5255..5416, 5263..5382, 5648..5725, 5813..5920, 5982..6044, 6148..6240, 6149..6235, 6543..6677, 6544..6681, 6546..6623, 6547..6678, 6696..6785, 6696..6788, 6697..6795, 6877..6999, 6891..6929, 7090..7239, 7119..7229, 7403..7438, 7477..7614, 7505..7612, 7723..7782, 7724..7984, 7810..7974		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	
Start	5254	End	8002
Name	OJ000108_43.0309.C26.o3.tm	Method	TBLASTX:Maize
Start	5255	End	6244
GI	none	Score	156
Exons	5255..5404, 5257..5382, 5647..5700, 5648..5725, 5813..5890, 5813..5887, 5815..5889, 5964..6068, 5982..6044, 6149..6244, 6154..6243		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	
Start	5254	End	8002
Name	OJ000108_43.0309.C26.o1.tm	Method	TBLASTX:Maize
Start	6544	End	8002
GI	none	Score	328
Exons	6544..6792, 6547..6795, 6871..6999, 6877..6999, 6882..7001, 7074..7301, 7078..7299, 7089..7301, 7394..7429, 7477..7614, 7486..7608, 7505..7612, 7723..7998, 7724..7993, 7724..8002		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	

Start	5254	End	8002
Name	OJ000108_43.0309.C26.o1.tc	Method	TBLASTX:Cress
Start	6883	End	7987
GI	none	Score	76
Exons	6883..6999, 7090..7242, 7098..7235, 7505..7612, 7513..7614, 7724..7987, 7732..7788, 7813..7974		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81182	Strand	
Start	5254	End	8002
Name	OJ000108_43.0309.C26.o2.tw	Method	TBLASTX:Wheat
Start	7544	End	7990
GI	none	Score	68
Exons	7544..7612, 7567..7614, 7723..7980, 7724..7990		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81183	Strand	
Start	9256	End	10112
Name	OJ000108_43.0309.C26.o2.tm	Method	TBLASTX:Maize
Start	9256	End	10110
GI	none	Score	63
Exons	9256..9345, 9263..9349, 9474..9593, 9476..9592, 9684..9734, 9686..9784, 9687..9776, 10001..10102, 10016..10102, 10017..10106, 10017..10109, 10018..10110		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81183	Strand	
Start	9256	End	10112
Name	OJ000108_43.0309.C26.o1.tw	Method	TBLASTX:Wheat
Start	9452	End	10052
GI	none	Score	217
Exons	9452..9592, 9453..9593, 9486..9593, 9678..9776, 9686..9784, 9687..9776, 10005..10052		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81183	Strand	
Start	9256	End	10112
Name	OJ000108_43.0309.C26.o4.tc	Method	TBLASTX:Cress
Start	9498	End	10112
GI	none	Score	128
Exons	9498..9593, 9500..9601, 9513..9590, 9515..9616, 9683..9769, 9687..9776, 9994..10107, 10018..10110, 10026..10112		

Seq. No.	39337	Seq. ID	OJ000108_43.0309.C26
Gene No.	81183	Strand	
Start	9256	End	10112
Name	OJ000108_43.0309.C26.o3.ts	Method	TBLASTX:Soybean
Start	9498	End	10110
GI	none	Score	134
Exons	9498..9593, 9512..9613, 9686..9769, 9687..9776, 10018..10110, 10023..10109		

Seq. No.	39338	Seq. ID	OJ000108_43.0309.C27
Gene No.	81184	Strand	+
Start	1	End	591
Name	OJ000108_43.0309.C27.o1.gp	Method	AAT/GAP
Start	1	End	591

GI 1450_1.R1084 Score 913
 Exons 1..50, 156..591
 GI Descrip. '4337177/gb|AAD18098| 1.0e-163 (AC006416) Identical to gb_Y10557
 g5bf gene from Arabidopsis thaliana. ESTs gb_R30578, gb_R90475,
 gb_T22384, gb_T22425, gb_N64934 and gb_T46767 come from this
 gene. [Arabidopsis thaliana]'

Seq. No. 39338 Seq. ID OJ000108_43.0309.C27
 Gene No. 81184 Strand +
 Start 1 End 591
 Name OJ000108_43.0309.C27.o1.ts Method TBLASTX:Soybean
 Start 2 End 339
 GI none Score 86
 Exons 2..49, 3..50, 149..226, 153..224, 223..339, 224..331

Seq. No. 39338 Seq. ID OJ000108_43.0309.C27
 Gene No. 81184 Strand +
 Start 1 End 591
 Name OJ000108_43.0309.C27.o1.tc Method TBLASTX:Cress
 Start 3 End 322
 GI none Score 85
 Exons 3..50, 5..46, 153..224, 155..226, 223..321, 224..322

Seq. No. 39338 Seq. ID OJ000108_43.0309.C27
 Gene No. 81184 Strand +
 Start 1 End 591
 Name OJ000108_43.0309.C27.o1.tm Method TBLASTX:Maize
 Start 3 End 354
 GI none Score 85
 Exons 3..50, 5..49, 148..225, 149..226, 153..224, 223..354, 226..330

Seq. No. 39339 Seq. ID OJ000108_43.0309.C29
 Gene No. 81185 Strand -
 Start 523 End 952
 Name OJ000108_43.0309.C29.o2.gp Method AAT/GAP
 Start 523 End 952
 GI 2428185 Score 801
 Exons 523..952
 GI Descrip. 5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa
 indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No. 39339 Seq. ID OJ000108_43.0309.C29
 Gene No. 81186 Strand -
 Start 970 End 1704
 Name OJ000108_43.0309.C29.o3.gp Method AAT/GAP
 Start 970 End 1704
 GI 101153_1.R1084 Score 568
 Exons 970..1198, 1515..1704
 GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa
 indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 39340 Seq. ID OJ000108_43.0309.C30
 Gene No. 81187 Strand
 Start 639 End 1909
 Name OJ000108_43.0309.C30.o1.tc Method TBLASTX:Cress
 Start 639 End 1873
 GI none Score 160

Exons 639..857, 897..1310, 1665..1811, 1670..1873, 1672..1785,
1673..1855

Seq. No.	39340	Seq. ID	OJ000108_43.0309.C30
Gene No.	81187	Strand	
Start	639	End	1909
Name	OJ000108_43.0309.C30.o1.ts	Method	TBLASTX:Soybean
Start	1660	End	1873
GI	none	Score	157
Exons	1660..1719, 1661..1780, 1661..1771, 1753..1782, 1787..1873		

Seq. No.	39340	Seq. ID	OJ000108_43.0309.C30
Gene No.	81187	Strand	
Start	639	End	1909
Name	OJ000108_43.0309.C30.o1.tm	Method	TBLASTX:Maize
Start	1670	End	1873
GI	none	Score	202
Exons	1670..1873		

Seq. No.	39340	Seq. ID	OJ000108_43.0309.C30
Gene No.	81187	Strand	
Start	639	End	1909
Name	OJ000108_43.0309.C30.o1.tw	Method	TBLASTX:Wheat
Start	1670	End	1909
GI	none	Score	233
Exons	1670..1909, 1672..1794		

Seq. No.	39341	Seq. ID	OJ000108_43.0309.C31
Gene No.	81188	Strand	-
Start	3367	End	3748
Name	OJ000108_43.0309.C31.o1.gp	Method	AAT/GAP
Start	3367	End	3748
GI	uC-osflcyp033a04b1	Score	655
Exons	3367..3748		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o6.tw	Method	TBLASTX:Wheat
Start	490	End	823
GI	none	Score	104
Exons	490..822, 532..819, 557..823		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o1.tm	Method	TBLASTX:Maize
Start	670	End	1269
GI	none	Score	220
Exons	670..1110, 686..1108, 1108..1269, 1115..1261		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o1.tw	Method	TBLASTX:Wheat

Start	823	End	1449
GI	none	Score	61
Exons	823..1449, 826..948, 935..1393		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o4.tm	Method	TBLASTX:Maize
Start	1318	End	1610
GI	none	Score	195
Exons	1318..1608, 1322..1609, 1455..1610		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o2.ts	Method	TBLASTX:Soybean
Start	1408	End	1668
GI	none	Score	127
Exons	1408..1668, 1409..1663		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o1.tc	Method	TBLASTX:Cress
Start	1432	End	1749
GI	none	Score	83
Exons	1432..1575, 1433..1573, 1576..1749		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o2.tw	Method	TBLASTX:Wheat
Start	1456	End	2023
GI	none	Score	321
Exons	1456..1992, 1457..2023		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o2.tm	Method	TBLASTX:Maize
Start	2014	End	2377
GI	none	Score	163
Exons	2014..2376, 2023..2376, 2075..2377		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o3.tw	Method	TBLASTX:Wheat
Start	2026	End	2448
GI	none	Score	219
Exons	2026..2448, 2038..2385, 2060..2416		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o3.ts	Method	TBLASTX:Soybean
Start	2197	End	2442

GI	none	Score	94
Exons	2197..2442, 2198..2425		
Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o3.tm	Method	TBLASTX:Maize
Start	2413	End	2913
GI	none	Score	46
Exons	2413..2727, 2456..2506, 2529..2585, 2734..2913, 2786..2905		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o5.tw	Method	TBLASTX:Wheat
Start	2449	End	2751
GI	none	Score	248
Exons	2449..2751, 2465..2740, 2679..2750		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o1.ts	Method	TBLASTX:Soybean
Start	2464	End	2859
GI	none	Score	172
Exons	2464..2823, 2465..2740, 2786..2821, 2827..2859, 2828..2857		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o4.tw	Method	TBLASTX:Wheat
Start	2800	End	3286
GI	none	Score	267
Exons	2800..3177, 2843..3286, 3232..3282		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o2.tc	Method	TBLASTX:Cress
Start	2836	End	3153
GI	none	Score	61
Exons	2836..3153, 2983..3123		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o5.tm	Method	TBLASTX:Maize
Start	2981	End	3271
GI	none	Score	184
Exons	2981..3271, 2983..3270		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o8.tw	Method	TBLASTX:Wheat
Start	3451	End	3819
GI	none	Score	68

Exons 3451..3564, 3452..3565, 3610..3819, 3611..3784

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o7.tw	Method	TBLASTX:Wheat
Start	4127	End	4478
GI	none	Score	94
Exons	4127..4477, 4284..4478		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o6.tm	Method	TBLASTX:Maize
Start	4172	End	4477
GI	none	Score	79
Exons	4172..4477, 4347..4463		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o9.tw	Method	TBLASTX:Wheat
Start	4520	End	4711
GI	none	Score	111
Exons	4520..4711, 4521..4688		

Seq. No.	39342	Seq. ID	OJ000108_43.0309.C32
Gene No.	81189	Strand	-
Start	6894	End	7275
Name	OJ000108_43.0309.C32.o1.gp	Method	AAT/GAP
Start	6894	End	7275
GI	uC-osflcyp033a04b1	Score	659
Exons	6894..7275		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81190	Strand	-
Start	19199	End	19444
Name	OJ000108_43.0309.C33.o2.ts	Method	TBLASTX:Soybean
Start	19199	End	19444
GI	none	Score	234
Exons	19199..19444, 19246..19329		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81191	Strand	-
Start	21841	End	22149
Name	OJ000108_43.0309.C33.o4.tw	Method	TBLASTX:Wheat
Start	21841	End	22149
GI	none	Score	81
Exons	21841..21936, 21843..21935, 21927..22067, 21985..22149		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81192	Strand	-
Start	23092	End	23488
Name	OJ000108_43.0309.C33.o3.tw	Method	TBLASTX:Wheat
Start	23092	End	23488

GI	none	Score	136
Exons	23092..23301, 23096..23266, 23282..23398, 23401..23463, 23402..23488, 23402..23482		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81193	Strand	
Start	23700	End	24183
Name	OJ000108_43.0309.C33.o1.tw	Method	TBLASTX:Wheat
Start	23700	End	24153
GI	none	Score	66
Exons	23700..23768, 23708..23767, 23759..23788, 23793..24152, 23794..24153		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81193	Strand	
Start	23700	End	24183
Name	OJ000108_43.0309.C33.o1.tm	Method	TBLASTX:Maize
Start	23830	End	24183
GI	none	Score	380
Exons	23830..24183, 23869..24132, 23889..24173		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81194	Strand	
Start	24211	End	24747
Name	OJ000108_43.0309.C33.o2.tm	Method	TBLASTX:Maize
Start	24211	End	24594
GI	none	Score	312
Exons	24211..24594, 24363..24590		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81194	Strand	
Start	24211	End	24747
Name	OJ000108_43.0309.C33.o2.tw	Method	TBLASTX:Wheat
Start	24268	End	24690
GI	none	Score	409
Exons	24268..24690, 24366..24686		

Seq. No.	39343	Seq. ID	OJ000108_43.0309.C33
Gene No.	81194	Strand	
Start	24211	End	24747
Name	OJ000108_43.0309.C33.o1.ts	Method	TBLASTX:Soybean
Start	24322	End	24747
GI	none	Score	282
Exons	24322..24747, 24354..24521, 24558..24593, 24573..24719		

Seq. No.	39344	Seq. ID	OJ000118_24.0307.C3
Gene No.	81195	Strand	-
Start	345	End	709
Name	OJ000118_24.0307.C3.o1.gs	Method	GENSCAN
Start	345	End	709
GI	none	Score	.6
Exons	345..493, 520..709		

Seq. No.	39345	Seq. ID	OJ000118_24.0307.C4
Gene No.	81196	Strand	+
Start	433	End	1777
Name	OJ000118_24.0307.C4.o1.np	Method	AAT/NAP

Start	433	End	1777
GI	6630699	Score	93
Exons	433..465, 748..774, 1673..1777		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39345	Seq. ID	OJ000118_24.0307.C4
Gene No.	81197	Strand	+
Start	1904	End	4359
Name	OJ000118_24.0307.C4.o2.np	Method	AAT/NAP
Start	1904	End	4359
GI	6539570	Score	199
Exons	1904..2107, 2288..2365, 2639..2973, 4316..4359		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39345	Seq. ID	OJ000118_24.0307.C4
Gene No.	81198	Strand	-
Start	4937	End	7025
Name	OJ000118_24.0307.C4.o3.np	Method	AAT/NAP
Start	4937	End	7025
GI	4835795	Score	77
Exons	4937..4966, 6897..7025		
GI Descrip.	(AC007296) F25C20.23 [Arabidopsis thaliana]		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81199	Strand	+
Start	109	End	5467
Name	OJ000118_24.0307.C5.o1.gs	Method	GENSCAN
Start	109	End	5270
GI	none	Score	.94
Exons	109..231, 1400..1517, 1572..1761, 1868..1973, 2088..2129, 2637..2816, 2890..3054, 3336..3536, 3627..3926, 4167..4367, 4450..4584, 4866..5270		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81199	Strand	+
Start	109	End	5467
Name	OJ000118_24.0307.C5.o1.gp	Method	AAT/GAP
Start	1590	End	5467
GI	59_1.R1084	Score	3536
Exons	1590..1761, 1868..1973, 2088..2129, 2637..2816, 2890..3054, 3336..3536, 3627..3926, 4167..4367, 4450..4584, 4866..5467		
GI Descrip.	'3288883/dbj BAA31260 0.0e+00 (AB015431) SAR DNA binding protein [Oryza sativa]'		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81199	Strand	+
Start	109	End	5467
Name	OJ000118_24.0307.C5.o1.np	Method	AAT/NAP
Start	1896	End	5018
GI	3288883	Score	2158
Exons	1896..1973, 2088..2129, 2637..2816, 2890..3054, 3336..3536, 3627..3926, 4167..4367, 4450..4584, 4866..5018		
GI Descrip.	(AB015431) SAR DNA binding protein [Oryza sativa]		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
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Gene No.	81199	Strand	+
Start	109	End	5467
Name	OJ000118_24.0307.C5.o2.np	Method	AAT/NAP
Start	2747	End	5177
GI	7451352	Score	1455
Exons	2747..2816, 2890..3054, 3336..3536, 3630..3926, 4167..4367, 4450..4584, 4866..5177		
GI Descrip.	SAR DNA-binding protein 2 - garden pea gi 3132698 gb AAC16331.1 (AF061963) SAR DNA-binding protein-2 [Pisum sativum]		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624
Name	OJ000118_24.0307.C5.o1.tw	Method	TBLASTX:Wheat
Start	1751	End	2762
GI	none	Score	75
Exons	1751..1780, 1874..1936, 1881..1973, 1884..1973, 2087..2131, 2088..2132, 2634..2762, 2636..2761		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624
Name	OJ000118_24.0307.C5.o2.tc	Method	TBLASTX:Cress
Start	1881	End	3407
GI	none	Score	97
Exons	1881..1973, 1887..1973, 2087..2128, 2088..2132, 2634..2816, 2639..2815, 2889..3056, 2889..3056, 2890..3093, 3321..3407, 3333..3407		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624
Name	OJ000118_24.0307.C5.o1.tm	Method	TBLASTX:Maize
Start	1884	End	5244
GI	none	Score	134
Exons	1884..1973, 1893..1973, 2087..2131, 2088..2132, 2631..2816, 2634..2816, 2636..2830, 2636..2830, 2886..3059, 2889..3056, 2890..3093, 2890..3057, 3328..3537, 3333..3545, 3333..3539, 3614..3925, 3618..3926, 3618..3926, 3625..3927, 4131..4367, 4166..4363, 4185..4376, 4187..4378, 4432..4584, 4447..4584, 4448..4591, 4848..4907, 4854..4895, 4865..4906, 4892..4975, 4905..5015, 4908..4976, 5053..5121, 5188..5244		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624
Name	OJ000118_24.0307.C5.o1.ts	Method	TBLASTX:Soybean
Start	1893	End	4584
GI	none	Score	124
Exons	1893..1973, 2634..2816, 2636..2815, 2889..3041, 2889..3056, 2890..3093, 3321..3539, 3334..3534, 3335..3535, 3593..3925, 3609..3926, 3643..3927, 3770..3934, 4131..4367, 4166..4366, 4185..4370, 4187..4387, 4447..4584, 4497..4583		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624

Name	OJ000118_24.0307.C5.o1.tc	Method	TBLASTX:Cress
Start	3607	End	4247
GI	none	Score	127
Exons	3607..3915, 3612..3917, 3632..3925, 3639..3926, 4185..4247, 4187..4240		

Seq. No.	39346	Seq. ID	OJ000118_24.0307.C5
Gene No.	81200	Strand	-
Start	7794	End	8624
Name	OJ000118_24.0307.C5.o2.gs	Method	GENSCAN
Start	7794	End	8624
GI	none	Score	.66
Exons	7794..8027, 8220..8375, 8559..8624		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81201	Strand	+
Start	1	End	3853
Name	OJ000118_24.0307.C6.o1.gp	Method	AAT/GAP
Start	1	End	3853
GI	59_1.R1084	Score	3460
Exons	1..60, 178..283, 386..427, 974..1152, 1226..1390, 1673..1873, 1963..2262, 2600..2800, 2881..3015, 3243..3853		
GI Descrip.	'3288883/dbj BAA31260 0.0e+00 (AB015431) SAR DNA binding protein [Oryza sativa]'		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81201	Strand	+
Start	1	End	3853
Name	OJ000118_24.0307.C6.o1.gs	Method	GENSCAN
Start	206	End	3647
GI	none	Score	.89
Exons	206..283, 386..427, 974..1091, 1320..1390, 1673..1873, 1963..2262, 2600..2800, 2881..3015, 3243..3647		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81201	Strand	+
Start	1	End	3853
Name	OJ000118_24.0307.C6.o1.np	Method	AAT/NAP
Start	206	End	3395
GI	3288883	Score	2170
Exons	206..283, 386..427, 974..1152, 1226..1390, 1673..1873, 1963..2262, 2600..2800, 2881..3015, 3243..3395		
GI Descrip.	(AB015431) SAR DNA binding protein [Oryza sativa]		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81202	Strand	+
Start	5623	End	5990
Name	OJ000118_24.0307.C6.o2.gp	Method	AAT/GAP
Start	5623	End	5990
GI	none	Score	721
Exons	5623..5990		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81203	Strand	+
Start	6286	End	7512
Name	OJ000118_24.0307.C6.o3.gp	Method	AAT/GAP
Start	6286	End	7512

GI 4989 1.R1084 Score 1540
 Exons 6286..6525, 6943..7512
 GI Descrip. '1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon
 4-coumarate-CoA ligase gene, intron 1, partial sequence'

Seq. No. 39347 Seq. ID OJ000118_24.0307.C6
 Gene No. 81204 Strand -
 Start 4441 End 10489
 Name OJ000118_24.0307.C6.o1.ts Method TBLASTX:Soybean
 Start 181 End 3023
 GI none Score 124
 Exons 181..243, 203..283, 973..1143, 974..1105, 1105..1152,
 1110..1151, 1225..1392, 1226..1393, 1226..1393, 1670..1876,
 1671..1871, 1672..1872, 1957..2298, 2007..2261, 2033..2263,
 2568..2777, 2596..2823, 2597..2803, 2878..3015, 2911..3015,
 2928..3023

Seq. No. 39347 Seq. ID OJ000118_24.0307.C6
 Gene No. 81204 Strand -
 Start 4441 End 10489
 Name OJ000118_24.0307.C6.o1.tw Method TBLASTX:Wheat
 Start 187 End 1099
 GI none Score 128
 Exons 187..246, 188..283, 386..430, 973..1098, 974..1099

Seq. No. 39347 Seq. ID OJ000118_24.0307.C6
 Gene No. 81204 Strand -
 Start 4441 End 10489
 Name OJ000118_24.0307.C6.o2.tc Method TBLASTX:Cress
 Start 197 End 1744
 GI none Score 97
 Exons 197..283, 386..430, 968..1102, 974..1105, 976..1143, 1060..1152,
 1062..1151, 1224..1391, 1225..1392, 1226..1393, 1226..1393,
 1658..1744, 1670..1744

Seq. No. 39347 Seq. ID OJ000118_24.0307.C6
 Gene No. 81204 Strand -
 Start 4441 End 10489
 Name OJ000118_24.0307.C6.o1.tm Method TBLASTX:Maize
 Start 203 End 3634
 GI none Score 134
 Exons 203..283, 385..429, 386..430, 972..1103, 973..1104, 974..1105,
 1060..1152, 1225..1392, 1226..1393, 1226..1393, 1670..1882,
 1670..1876, 1954..2262, 1957..2262, 1961..2263, 2033..2263,
 2596..2811, 2597..2809, 2878..3015, 2879..3022, 3231..3272,
 3240..3284, 3242..3283, 3269..3331, 3282..3344, 3285..3338,
 3286..3348, 3353..3394, 3355..3456, 3373..3504, 3428..3505,
 3563..3601, 3565..3621, 3569..3634

Seq. No. 39347 Seq. ID OJ000118_24.0307.C6
 Gene No. 81204 Strand -
 Start 4441 End 10489
 Name OJ000118_24.0307.C6.o1.tc Method TBLASTX:Cress
 Start 1930 End 2680
 GI none Score 434
 Exons 1930..2262, 1975..2253, 2007..2261, 2606..2680, 2608..2673

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81204	Strand	-
Start	4441	End	10489
Name	OJ000118_24.0307.C6.o2.np	Method	AAT/NAP
Start	4441	End	8830
GI	7106508	Score	120
Exons	4441..4514, 6313..6719, 6861..7108, 8739..8830		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81204	Strand	-
Start	4441	End	10489
Name	OJ000118_24.0307.C6.o2.gs	Method	GENSCAN
Start	5973	End	10489
GI	none	Score	.6
Exons	5973..6534, 6861..6936, 6959..7306, 8084..8183, 10379..10489		

Seq. No.	39347	Seq. ID	OJ000118_24.0307.C6
Gene No.	81204	Strand	-
Start	4441	End	10489
Name	OJ000118_24.0307.C6.o4.gp	Method	AAT/GAP
Start	8262	End	8318
GI	2312838	Score	62
Exons	8262..8318		
GI Descrip.	1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	39348	Seq. ID	OJ000118_24.0307.C11
Gene No.	81205	Strand	+
Start	1	End	7371
Name	OJ000118_24.0307.C11.o1.np	Method	AAT/NAP
Start	1	End	7371
GI	3970689	Score	649
Exons	1..56, 858..1059, 2965..3340, 3475..3693, 3799..3934, 6609..6857, 7084..7371		
GI Descrip.	(Y18484) (+)-delta-cadinene synthase [Gossypium arboreum]		

Seq. No.	39348	Seq. ID	OJ000118_24.0307.C11
Gene No.	81205	Strand	+
Start	1	End	7371
Name	OJ000118_24.0307.C11.o1.gs	Method	GENSCAN
Start	812	End	1070
GI	none	Score	.75
Exons	812..848, 886..1070		

Seq. No.	39348	Seq. ID	OJ000118_24.0307.C11
Gene No.	81206	Strand	-
Start	1387	End	2750
Name	OJ000118_24.0307.C11.o2.gs	Method	GENSCAN
Start	1387	End	2750
GI	none	Score	.45
Exons	1387..2017, 2195..2610, 2667..2750		

Seq. No.	39348	Seq. ID	OJ000118_24.0307.C11
Gene No.	81207	Strand	-
Start	8230	End	11365
Name	OJ000118_24.0307.C11.o1.tw	Method	TBLASTX:Wheat

Start 2002
GI none
Exons 2002..2160, 2206..2421

End 2421
Score 194

Seq. No. 39348
Gene No. 81207
Start 8230
Name OJ000118_24.0307.C11.o1.tm
Start 2982
GI none
Exons 2982..3131, 2984..3127, 3150..3254, 3155..3253, 3244..3342, 3258..3359, 3260..3352, 3473..3694, 3474..3692, 3803..3931, 3811..3945, 3811..3945, 6588..6806, 6608..6805, 6609..6818, 6628..6825, 6789..6845, 6792..6857

Seq. ID OJ000118_24.0307.C11
Strand -
End 11365
Method TBLASTX:Maize
End 6857
Score 165

Seq. No. 39348
Gene No. 81207
Start 8230
Name OJ000118_24.0307.C11.o1.ts
Start 3219
GI none
Exons 3219..3341, 3476..3694, 3800..3892

Seq. ID OJ000118_24.0307.C11
Strand -
End 11365
Method TBLASTX:Soybean
End 3892
Score 92

Seq. No. 39348
Gene No. 81207
Start 8230
Name OJ000118_24.0307.C11.o2.tm
Start 7025
GI none
Exons 7025..7213, 7082..7354, 7083..7352, 7083..7358, 7084..7356

Seq. ID OJ000118_24.0307.C11
Strand -
End 11365
Method TBLASTX:Maize
End 7358
Score 130

Seq. No. 39348
Gene No. 81207
Start 8230
Name OJ000118_24.0307.C11.o2.tw
Start 7090
GI none
Exons 7090..7215, 7095..7214, 7187..7246, 7227..7367, 7228..7374, 7257..7379

Seq. ID OJ000118_24.0307.C11
Strand -
End 11365
Method TBLASTX:Wheat
End 7379
Score 136

Seq. No. 39348
Gene No. 81207
Start 8230
Name OJ000118_24.0307.C11.o4.gs
Start 8230
GI none
Exons 8230..8418, 9430..9531, 10627..10851, 11330..11365

Seq. ID OJ000118_24.0307.C11
Strand -
End 11365
Method GENSCAN
End 11365
Score .5

Seq. No. 39349
Gene No. 81208
Start 608
Name OJ000118_24.0307.C12.o1.gs
Start 608
GI none
Exons 608..775

Seq. ID OJ000118_24.0307.C12
Strand -
End 775
Method GENSCAN
End 775
Score .47

Seq. No. 39350

Seq. ID OJ000118_24.0307.C13

Gene No.	81209	Strand	+
Start	3053	End	4425
Name	OJ000118_24.0307.C13.o2.gs	Method	GENSCAN
Start	3053	End	4425
GI	none	Score	.56
Exons	3053..3173, 4033..4245, 4277..4425		
Seq. No.	39350	Seq. ID	OJ000118_24.0307.C13
Gene No.	81210	Strand	-
Start	235	End	316
Name	OJ000118_24.0307.C13.o1.gs	Method	GENSCAN
Start	235	End	316
GI	none	Score	.4
Exons	235..316		
Seq. No.	39350	Seq. ID	OJ000118_24.0307.C13
Gene No.	81211	Strand	-
Start	5959	End	6493
Name	OJ000118_24.0307.C13.o1.np	Method	AAT/NAP
Start	5959	End	6493
GI	7523502	Score	152
Exons	5959..6093, 6400..6493		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.o1.ts	Method	TBLASTX:Soybean
Start	655	End	903
GI	none	Score	103
Exons	655..873, 674..778, 675..902, 676..903		
Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.o1.tm	Method	TBLASTX:Maize
Start	671	End	903
GI	none	Score	171
Exons	671..868, 673..870, 674..847, 675..848, 675..887, 676..870, 870..902, 871..903		
Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.o1.tc	Method	TBLASTX:Cress
Start	675	End	903
GI	none	Score	243
Exons	675..902, 676..903		
Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.o1.tw	Method	TBLASTX:Wheat
Start	675	End	903
GI	none	Score	174
Exons	675..848, 675..902, 676..903		

Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.ol.gs	Method	GENSCAN
Start	676	End	903
GI	none	Score	.68
Exons	676..903		

Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.ol.np	Method	AAT/NAP
Start	676	End	1084
GI	3482933	Score	231
Exons	676..903, 1062..1084		
GI Descrip.	(AC003970) Similar to cdc2 protein kinases [Arabidopsis thaliana]		

Seq. No.	39351	Seq. ID	OJ000118_24.0307.C19
Gene No.	81212	Strand	+
Start	676	End	1084
Name	OJ000118_24.0307.C19.ol.gp	Method	AAT/GAP
Start	738	End	906
GI	LIB3477-005-P1-K1-G8	Score	315
Exons	738..906		
GI Descrip.	'3776559 2.0e-31 (AC005388) Strong similarity to gene F14J9.26 gi_3482933 cdc2 protein kinase homolog from A. thaliana BAC gb_AC003970. ESTs gb_Z35332 and gb_F19907 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	39352	Seq. ID	OJ000118_24.0307.C20
Gene No.	81213	Strand	+
Start	202	End	1330
Name	OJ000118_24.0307.C20.ol.gp	Method	AAT/GAP
Start	202	End	312
GI	LIB3477-005-P1-K1-G8	Score	176
Exons	202..312		
GI Descrip.	'3776559 2.0e-31 (AC005388) Strong similarity to gene F14J9.26 gi_3482933 cdc2 protein kinase homolog from A. thaliana BAC gb_AC003970. ESTs gb_Z35332 and gb_F19907 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	39352	Seq. ID	OJ000118_24.0307.C20
Gene No.	81213	Strand	+
Start	202	End	1330
Name	OJ000118_24.0307.C20.ol.np	Method	AAT/NAP
Start	202	End	1330
GI	3776559	Score	166
Exons	202..302, 1216..1330		
GI Descrip.	(AC005388) Strong similarity to gene F14J9.26 gi 3482933 cdc2 protein kinase homolog from A. thaliana BAC gb AC003970. ESTs gb Z35332 and gb F19907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81214	Strand	+
Start	1688	End	3660

Name	OJ000118_24.0307.C21.o1.gs	Method	GENSCAN
Start	1688	End	2455
GI	none	Score	.89
Exons	1688..1731, 1864..2005, 2123..2173, 2215..2297, 2356..2455		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81214	Strand	+
Start	1688	End	3660
Name	OJ000118_24.0307.C21.o1.gp	Method	AAT/GAP
Start	1726	End	3473
GI	uC-osflcyp024b01b1	Score	910
Exons	1726..2005, 2123..2214, 2356..2422, 3416..3473		
GI Descrip.	'2618698 1.0e-39 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81214	Strand	+
Start	1688	End	3660
Name	OJ000118_24.0307.C21.o1.np	Method	AAT/NAP
Start	1904	End	3660
GI	7452472	Score	408
Exons	1904..2028, 2117..2214, 2356..2422, 3416..3475, 3564..3660		
GI Descrip.	hypothetical protein T32G6.14 - Arabidopsis thaliana gi 2618698 gb AAB84345.1 (AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81215	Strand	-
Start	4242	End	5220
Name	OJ000118_24.0307.C21.o1.tm	Method	TBLASTX:Maize
Start	1913	End	3678
GI	none	Score	125
Exons	1913..1990, 1939..1992, 2095..2217, 2111..2197, 2353..2445, 2354..2446, 3349..3477, 3416..3481, 3561..3653, 3561..3653, 3562..3657, 3562..3678		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81215	Strand	-
Start	4242	End	5220
Name	OJ000118_24.0307.C21.o1.ts	Method	TBLASTX:Soybean
Start	1919	End	3647
GI	none	Score	95
Exons	1919..1984, 1948..1980, 2096..2197, 2110..2214, 2344..2445, 2345..2449, 3403..3477, 3410..3481, 3414..3476, 3416..3481, 3560..3646, 3561..3647, 3561..3641, 3565..3645		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81215	Strand	-
Start	4242	End	5220
Name	OJ000118_24.0307.C21.o2.gp	Method	AAT/GAP
Start	3687	End	5220
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	3687..3752, 5182..5220		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39353	Seq. ID	OJ000118_24.0307.C21
Gene No.	81215	Strand	-
Start	4242	End	5220
Name	OJ000118_24.0307.C21.o2.gs	Method	GENSCAN
Start	4242	End	4907
GI	none	Score	.47
Exons	4242..4907		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o1.np	Method	AAT/NAP
Start	1	End	4914
GI	6735314	Score	1911
Exons	1..338, 587..682, 812..943, 1438..1491, 1622..1705, 2248..2301, 2380..3283, 3573..3779, 3840..4139, 4840..4914		
GI Descrip.	(AL137080) putative protein [Arabidopsis thaliana]		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o1.gs	Method	GENSCAN
Start	69	End	19260
GI	none	Score	.54
Exons	69..338, 587..682, 812..943, 1438..1491, 1622..1705, 2215..2301, 2380..2904, 2912..3283, 3573..3751, 3848..4139, 4860..5119, 5725..5840, 7384..7482, 7607..7842, 7931..7963, 8046..8164, 8213..8256, 8527..8609, 8750..8821, 9325..9505, 9851..9920, 9948..10020, 10424..10451, 12082..12202, 12595..12717, 13802..13931, 14035..14196, 14495..14689, 17581..17658, 17874..18015, 19142..19260		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o1.gp	Method	AAT/GAP
Start	2223	End	2502
GI	uC-osflcyp106e03b1	Score	376
Exons	2223..2301, 2380..2502		
GI Descrip.	'2618698 2.0e-09 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o2.gp	Method	AAT/GAP
Start	2612	End	2934
GI	LIB3475-011-P1-K1-C3	Score	580
Exons	2612..2934		
GI Descrip.	'2618698 1.0e-50 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81216	Strand	+
Start	1	End	19260
Name	OJ000118_24.0307.C22.o3.gp	Method	AAT/GAP
Start	2959	End	3733

GI 4715626 Score 929
 Exons 2959..3283, 3573..3733
 GI Descrip. 2618698 1.0e-50 (AC002510) unknown protein [Arabidopsis thaliana]

Seq. No. 39354 Seq. ID OJ000118_24.0307.C22
 Gene No. 81216 Strand +
 Start 1 End 19260
 Name OJ000118_24.0307.C22.o4.gp Method AAT/GAP
 Start 3939 End 5253
 GI 45434 1.R1084 Score 1171
 Exons 3939..4139, 4840..5253
 GI Descrip. '2618698 6.0e-19 (AC002510) unknown protein [Arabidopsis thaliana]'

Seq. No. 39354 Seq. ID OJ000118_24.0307.C22
 Gene No. 81216 Strand +
 Start 1 End 19260
 Name OJ000118_24.0307.C22.o2.np Method AAT/NAP
 Start 7533 End 9615
 GI 4105798 Score 479
 Exons 7533..7694, 7783..7842, 7931..7963, 8046..8123, 8213..8256, 8361..8401, 8527..8609, 8730..8821, 8953..9067, 9470..9615
 GI Descrip. (AF049930) PGP237-11 [Petunia x hybrida]

Seq. No. 39354 Seq. ID OJ000118_24.0307.C22
 Gene No. 81216 Strand +
 Start 1 End 19260
 Name OJ000118_24.0307.C22.o5.gp Method AAT/GAP
 Start 11880 End 13725
 GI uC-osrocyp008d09b1 Score 967
 Exons 11880..12202, 13028..13107, 13398..13463, 13555..13602, 13697..13725
 GI Descrip. '5091496/dbj|AB023482.2|AB023482 7.0e-17 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'

Seq. No. 39354 Seq. ID OJ000118_24.0307.C22
 Gene No. 81216 Strand +
 Start 1 End 19260
 Name OJ000118_24.0307.C22.o6.gp Method AAT/GAP
 Start 16582 End 16834
 GI 3106573 Score 307
 Exons 16582..16834
 GI Descrip. 5091496/dbj|AB023482.2|AB023482 7.0e-17 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence

Seq. No. 39354 Seq. ID OJ000118_24.0307.C22
 Gene No. 81217 Strand -
 Start 18810 End 20835
 Name OJ000118_24.0307.C22.o1.tm Method TBLASTX:Maize
 Start 586 End 2992
 GI none Score 146
 Exons 586..681, 587..688, 588..686, 784..942, 802..942, 803..952, 1437..1493, 1439..1492, 1439..1495, 1440..1493, 1619..1714, 1628..1747, 2213..2299, 2214..2303, 2215..2304, 2231..2311, 2379..2894, 2379..2894, 2380..2895, 2390..2905, 2898..2990, 2900..2992, 2902..2991

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o5.ts	Method	TBLASTX:Soybean
Start	586	End	952
GI	none	Score	117
Exons	586..675, 587..688, 802..939, 803..952		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o3.ts	Method	TBLASTX:Soybean
Start	2725	End	3151
GI	none	Score	175
Exons	2725..2895, 2727..2894, 2899..3072, 2903..3076, 2942..3067, 2950..3072, 3044..3151, 3079..3150		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o2.tm	Method	TBLASTX:Maize
Start	3148	End	4923
GI	none	Score	230
Exons	3148..3282, 3149..3283, 3149..3292, 3570..3743, 3575..3748, 3845..4150, 3846..4151, 4837..4923, 4839..4922		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o4.ts	Method	TBLASTX:Soybean
Start	3642	End	4054
GI	none	Score	50
Exons	3642..3686, 3687..3740, 3845..4054, 3846..4052		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o1.tc	Method	TBLASTX:Cress
Start	7641	End	8822
GI	none	Score	105
Exons	7641..7694, 7928..7969, 7930..7962, 8040..8099, 8054..8122, 8216..8257, 8358..8402, 8359..8403, 8513..8608, 8526..8609, 8727..8822, 8729..8821		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o1.ts	Method	TBLASTX:Soybean
Start	7641	End	9586
GI	none	Score	90
Exons	7641..7691, 7928..7969, 7930..7965, 8040..8099, 8045..8125, 8213..8257, 8358..8402, 8359..8403, 8513..8608, 8526..8609, 8727..8840, 8729..8842, 8924..9025, 8950..9048, 9470..9586, 9472..9585		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
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Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o3.tm	Method	TBLASTX:Maize
Start	7641	End	9040
GI	none	Score	112
Exons	7641..7694, 7643..7693, 7754..7843, 7782..7844, 7804..7881, 7930..7962, 7931..7969, 8040..8102, 8048..8125, 8213..8257, 8214..8255, 8358..8402, 8359..8403, 8513..8608, 8526..8609, 8727..8813, 8729..8809, 8930..9025, 8950..9033, 8951..9040		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o1.tw	Method	TBLASTX:Wheat
Start	8230	End	9532
GI	none	Score	47
Exons	8230..8256, 8231..8257, 8358..8402, 8359..8403, 8513..8608, 8525..8608, 8526..8609, 8727..8840, 8729..8821, 8924..9040, 8935..9039, 9464..9532, 9464..9520, 9466..9531		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o2.tc	Method	TBLASTX:Cress
Start	13401	End	14694
GI	none	Score	79
Exons	13401..13457, 13694..13768, 13703..13768, 13850..13933, 13851..13934, 14035..14124, 14038..14211, 14127..14210, 14477..14692, 14503..14694, 14527..14694		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o5.tm	Method	TBLASTX:Maize
Start	13693	End	17640
GI	none	Score	104
Exons	13693..13773, 13694..13762, 13856..13957, 13857..13934, 14031..14195, 14031..14195, 14032..14199, 14033..14206, 14477..14692, 14488..14694, 14503..14694, 14505..14723, 17536..17640		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o6.ts	Method	TBLASTX:Soybean
Start	13863	End	14207
GI	none	Score	98
Exons	13863..13934, 14035..14112, 14104..14199, 14109..14207		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o4.np	Method	AAT/NAP
Start	18810	End	20835
GI	3738302	Score	516
Exons	18810..19283, 19592..19710, 20792..20835		
GI Descrip.	(AC005309) putative Tub family protein [Arabidopsis thaliana]		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o4.tm	Method	TBLASTX:Maize
Start	18837	End	19709
GI	none	Score	101
Exons	18837..18926, 18838..18954, 18838..18924, 18839..18925, 18840..18926, 18903..19013, 18904..19014, 18914..19021, 18928..19038, 19018..19131, 19019..19135, 19129..19227, 19131..19247, 19190..19285, 19196..19285, 19200..19289, 19234..19308, 19591..19701, 19592..19702, 19599..19709, 19599..19706		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o2.ts	Method	TBLASTX:Soybean
Start	18838	End	19289
GI	none	Score	114
Exons	18838..18927, 18840..18926, 18845..18928, 18845..18928, 18911..19015, 18928..19014, 18977..19015, 19017..19067, 19018..19077, 19018..19179, 19131..19199, 19190..19285, 19191..19289		

Seq. No.	39354	Seq. ID	OJ000118_24.0307.C22
Gene No.	81217	Strand	-
Start	18810	End	20835
Name	OJ000118_24.0307.C22.o3.tc	Method	TBLASTX:Cress
Start	18838	End	19668
GI	none	Score	60
Exons	18838..18921, 18840..18962, 18973..19038, 19018..19101, 19021..19077, 19232..19285, 19591..19668		

Seq. No.	39355	Seq. ID	OJ000118_24.0307.C24
Gene No.	81218	Strand	-
Start	1193	End	4316
Name	OJ000118_24.0307.C24.o1.gs	Method	GENSCAN
Start	1193	End	4316
GI	none	Score	.44
Exons	1193..1319, 2047..2278, 3332..3455, 3486..3546, 4156..4316		

Seq. No.	39355	Seq. ID	OJ000118_24.0307.C24
Gene No.	81219	Strand	-
Start	6278	End	6811
Name	OJ000118_24.0307.C24.o2.gs	Method	GENSCAN
Start	6278	End	6811
GI	none	Score	.61
Exons	6278..6580, 6611..6811		

Seq. No.	39356	Seq. ID	OJ000118_24.0307.C25
Gene No.	81220	Strand	-
Start	278	End	1855
Name	OJ000118_24.0307.C25.o1.np	Method	AAT/NAP
Start	278	End	1844
GI	6006370	Score	68
Exons	278..448, 1749..1844		

GI Descrip. (AP000559) hypothetical protein [Oryza sativa]

Seq. No.	39356	Seq. ID	OJ000118_24.0307.C25
Gene No.	81220	Strand	-
Start	278	End	1855
Name	OJ000118_24.0307.C25.o1.gs	Method	GENSCAN
Start	1346	End	1855
GI	none	Score	.93
Exons	1346..1855		

Seq. No.	39357	Seq. ID	OJ000118_22.0309.C1
Gene No.	81221	Strand	-
Start	1	End	935
Name	OJ000118_22.0309.C1.o1.np	Method	AAT/NAP
Start	1	End	935
GI	6815062	Score	258
Exons	1..25, 139..355, 462..512, 583..681, 758..935		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	39357	Seq. ID	OJ000118_22.0309.C1
Gene No.	81221	Strand	-
Start	1	End	935
Name	OJ000118_22.0309.C1.o1.gs	Method	GENSCAN
Start	139	End	681
GI	none	Score	.58
Exons	139..512, 583..681		

Seq. No.	39358	Seq. ID	OJ000118_22.0309.C2
Gene No.	81222	Strand	-
Start	1	End	2315
Name	OJ000118_22.0309.C2.o1.np	Method	AAT/NAP
Start	1	End	2315
GI	6815062	Score	1660
Exons	1..156, 242..1099, 1191..1261, 1370..2315		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	39358	Seq. ID	OJ000118_22.0309.C2
Gene No.	81222	Strand	-
Start	1	End	2315
Name	OJ000118_22.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	395	End	900
GI	none	Score	112
Exons	395..547, 399..548, 531..734, 574..705, 765..899, 775..900		

Seq. No.	39358	Seq. ID	OJ000118_22.0309.C2
Gene No.	81222	Strand	-
Start	1	End	2315
Name	OJ000118_22.0309.C2.o2.tm	Method	TBLASTX:Maize
Start	1863	End	2141
GI	none	Score	76
Exons	1863..2141, 1960..2085		

Seq. No.	39359	Seq. ID	OJ000118_22.0309.C3
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Gene No.	81223	Strand	-
Start	1	End	1534
Name	OJ000118_22.0309.C3.o1.np	Method	AAT/NAP
Start	1	End	1534
GI	5690095	Score	563
Exons	1..992, 1506..1534		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	39359	Seq. ID	OJ000118_22.0309.C3
Gene No.	81223	Strand	-
Start	1	End	1534
Name	OJ000118_22.0309.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	320
GI	none	Score	118
Exons	1..144, 3..143, 189..320, 192..320		

Seq. No.	39359	Seq. ID	OJ000118_22.0309.C3
Gene No.	81223	Strand	-
Start	1	End	1534
Name	OJ000118_22.0309.C3.o1.gs	Method	GENSCAN
Start	83	End	1520
GI	none	Score	.41
Exons	83..324, 571..1520		

Seq. No.	39360	Seq. ID	OJ000118_22.0309.C5
Gene No.	81224	Strand	-
Start	138	End	1692
Name	OJ000118_22.0309.C5.o1.np	Method	AAT/NAP
Start	138	End	1692
GI	140291	Score	378
Exons	138..166, 1391..1692		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi 82541 pir S05116 hypothetical protein 185 - rice chloroplast gi 11997 emb CAA33958 (X15901) ORF185 [Oryza sativa] gi 226618 prf 1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	39360	Seq. ID	OJ000118_22.0309.C5
Gene No.	81224	Strand	-
Start	138	End	1692
Name	OJ000118_22.0309.C5.o1.gs	Method	GENSCAN
Start	379	End	1601
GI	none	Score	.54
Exons	379..741, 862..989, 1560..1601		

Seq. No.	39360	Seq. ID	OJ000118_22.0309.C5
Gene No.	81224	Strand	-
Start	138	End	1692
Name	OJ000118_22.0309.C5.o1.tc	Method	TBLASTX:Cress
Start	1381	End	1636
GI	none	Score	242
Exons	1381..1623, 1390..1632, 1394..1633, 1397..1636		

Seq. No.	39360	Seq. ID	OJ000118_22.0309.C5
Gene No.	81224	Strand	-
Start	138	End	1692
Name	OJ000118_22.0309.C5.o1.tm	Method	TBLASTX:Maize
Start	1390	End	1537

GI	none	Score	204
Exons	1390..1518, 1392..1526, 1394..1519, 1504..1536, 1505..1537		

Seq. No.	39361	Seq. ID	OJ000118_22.0309.C6
Gene No.	81225	Strand	+
Start	307	End	1382
Name	OJ000118_22.0309.C6.o1.gs	Method	GENSCAN
Start	307	End	1382
GI	none	Score	.59
Exons	307..508, 1192..1382		

Seq. No.	39362	Seq. ID	OJ000118_22.0309.C7
Gene No.	81226	Strand	+
Start	217	End	2108
Name	OJ000118_22.0309.C7.o1.gs	Method	GENSCAN
Start	217	End	2108
GI	none	Score	.51
Exons	217..257, 705..824, 1922..2108		

Seq. No.	39362	Seq. ID	OJ000118_22.0309.C7
Gene No.	81227	Strand	-
Start	1	End	772
Name	OJ000118_22.0309.C7.o1.np	Method	AAT/NAP
Start	1	End	772
GI	7340868	Score	42
Exons	1..158, 660..772		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39362	Seq. ID	OJ000118_22.0309.C7
Gene No.	81228	Strand	-
Start	1288	End	4090
Name	OJ000118_22.0309.C7.o2.np	Method	AAT/NAP
Start	1288	End	4090
GI	6006375	Score	57
Exons	1288..1371, 3779..3869, 4059..4090		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUOREFS_2 (C40785) [Oryza sativa]		

Seq. No.	39362	Seq. ID	OJ000118_22.0309.C7
Gene No.	81228	Strand	-
Start	1288	End	4090
Name	OJ000118_22.0309.C7.o1.gp	Method	AAT/GAP
Start	2514	End	2571
GI	16490_1.R1084	Score	90
Exons	2514..2571		
GI Descrip.	'4584525/emb CAB40756.1 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	39363	Seq. ID	OJ000118_22.0309.C8
Gene No.	81229	Strand	+
Start	331	End	2373
Name	OJ000118_22.0309.C8.o1.gs	Method	GENSCAN
Start	331	End	2373
GI	none	Score	.7
Exons	331..444, 1357..1559, 2221..2373		

Seq. No.	39363	Seq. ID	OJ000118_22.0309.C8
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Gene No.	81229	Strand	+
Start	331	End	2373
Name	OJ000118_22.0309.C8.o1.np	Method	AAT/NAP
Start	342	End	2370
GI	6006375	Score	2421
Exons	342..1559, 1832..2370		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	39363	Seq. ID	OJ000118_22.0309.C8
Gene No.	81230	Strand	+
Start	7229	End	11032
Name	OJ000118_22.0309.C8.o3.gs	Method	GENSCAN
Start	7229	End	11032
GI	none	Score	.62
Exons	7229..7317, 7465..8323, 8461..8928, 9212..9312, 11005..11032		

Seq. No.	39363	Seq. ID	OJ000118_22.0309.C8
Gene No.	81230	Strand	+
Start	7229	End	11032
Name	OJ000118_22.0309.C8.o2.np	Method	AAT/NAP
Start	8174	End	10162
GI	7488773	Score	76
Exons	8174..8323, 8461..8673, 10116..10162		
GI Descrip.	phaseolin G-box binding protein PG1 - kidney bean gi 1142619 gb AAB00686.1 (U18348) phaseolin G-box binding protein PG1 [Phaseolus vulgaris]		

Seq. No.	39363	Seq. ID	OJ000118_22.0309.C8
Gene No.	81231	Strand	-
Start	3046	End	6225
Name	OJ000118_22.0309.C8.o2.gs	Method	GENSCAN
Start	3046	End	6225
GI	none	Score	.69
Exons	3046..3181, 4031..4160, 6066..6225		

Seq. No.	39363	Seq. ID	OJ000118_22.0309.C8
Gene No.	81232	Strand	-
Start	8733	End	8916
Name	OJ000118_22.0309.C8.o1.gp	Method	AAT/GAP
Start	8733	End	8916
GI	2796431	Score	260
Exons	8733..8916		

Seq. No.	39364	Seq. ID	OJ000118_22.0309.C9
Gene No.	81233	Strand	+
Start	327	End	399
Name	OJ000118_22.0309.C9.o1.gs	Method	GENSCAN
Start	327	End	399
GI	none	Score	.55
Exons	327..399		

Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81234	Strand	+
Start	235	End	1018
Name	OJ000118_22.0309.C10.o1.gs	Method	GENSCAN
Start	235	End	1018

GI	none	Score	.87
Exons	235..302, 628..1018		
Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81235	Strand	-
Start	3261	End	3564
Name	OJ000118_22.0309.C10.o2.gs	Method	GENSCAN
Start	3261	End	3564
GI	none	Score	.89
Exons	3261..3381, 3407..3564		
Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-
Start	4289	End	6685
Name	OJ000118_22.0309.C10.o3.gs	Method	GENSCAN
Start	4289	End	6642
GI	none	Score	.65
Exons	4289..4476, 4567..4632, 5300..5427, 6323..6642		
Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-
Start	4289	End	6685
Name	OJ000118_22.0309.C10.o1.np	Method	AAT/NAP
Start	6258	End	6685
GI	1903367	Score	207
Exons	6258..6685		
GI Descrip.	(AC000104) ESTs gb N65789,gb T04628 come from this gene. [Arabidopsis thaliana]		
Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-
Start	4289	End	6685
Name	OJ000118_22.0309.C10.o1.gp	Method	AAT/GAP
Start	6313	End	6685
GI	LIB3433-018-Q6-K6-H1	Score	730
Exons	6313..6685		
GI Descrip.	'3395436 2.0e-11 (AC004683) unknown protein [Arabidopsis thaliana]'		
Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-
Start	4289	End	6685
Name	OJ000118_22.0309.C10.o1.ts	Method	TBLASTX:Soybean
Start	6395	End	6684
GI	none	Score	123
Exons	6395..6595, 6499..6684		
Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-
Start	4289	End	6685
Name	OJ000118_22.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	6499	End	6684
GI	none	Score	97
Exons	6499..6609, 6518..6595, 6610..6684		
Seq. No.	39365	Seq. ID	OJ000118_22.0309.C10
Gene No.	81236	Strand	-

Start	4289	End	6685
Name	OJ000118_22.0309.C10.o1.tc	Method	TBLASTX:Cress
Start	6505	End	6684
GI	none	Score	64
Exons	6505..6684, 6515..6592		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81237	Strand	+
Start	475	End	3381
Name	OJ000118_22.0309.C11.o1.gs	Method	GENSCAN
Start	475	End	3059
GI	none	Score	.88
Exons	475..670, 1110..1240, 1546..1680, 1872..3059		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81237	Strand	+
Start	475	End	3381
Name	OJ000118_22.0309.C11.o1.gp	Method	AAT/GAP
Start	1580	End	3381
GI	343_1.R1084	Score	3579
Exons	1580..3381		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 4.0e-44 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81237	Strand	+
Start	475	End	3381
Name	OJ000118_22.0309.C11.o1.np	Method	AAT/NAP
Start	1619	End	3056
GI	7489519	Score	2514
Exons	1619..3056		
GI Descrip.	nucleotide pyrophosphatase homolog - rice gi 818849 gb AAA67067.1 (U25430) nucleotide pyrophosphatase precursor [Oryza sativa]		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81238	Strand	+
Start	7089	End	7545
Name	OJ000118_22.0309.C11.o2.gs	Method	GENSCAN
Start	7089	End	7545
GI	none	Score	.41
Exons	7089..7122, 7211..7372, 7448..7545		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81239	Strand	+
Start	14660	End	16878
Name	OJ000118_22.0309.C11.o2.np	Method	AAT/NAP
Start	14660	End	16878
GI	7340909	Score	110
Exons	14660..14683, 15956..16313, 16712..16878		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81239	Strand	+
Start	14660	End	16878
Name	OJ000118_22.0309.C11.o3.np	Method	AAT/NAP
Start	15386	End	16727

GI	2500036	Score	66
Exons	15386..15469, 16349..16450, 16570..16727		
GI Descrip.	DIHYDROOROTASE PRECURSOR (DHOASE) gi 2121273 (AF000146) dihydroorotase [Arabidopsis thaliana] gi 3292818 emb CAA19808.1 (AL031018) dihydroorotase [Arabidopsis thaliana]		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81240	Strand	+
Start	16969	End	17305
Name	OJ000118_22.0309.C11.o2.gp	Method	AAT/GAP
Start	16969	End	17305
GI	5816500	Score	655
Exons	16969..17305		
GI Descrip.	5091496/dbj AB023482.2 AB023482 4.0e-44 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81241	Strand	-
Start	9490	End	19191
Name	OJ000118_22.0309.C11.o2.tc	Method	TBLASTX:Cress
Start	1874	End	2195
GI	none	Score	308
Exons	1874..2086, 1875..2087, 2096..2185, 2097..2195		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81241	Strand	-
Start	9490	End	19191
Name	OJ000118_22.0309.C11.o1.ts	Method	TBLASTX:Soybean
Start	1956	End	2542
GI	none	Score	86
Exons	1956..2030, 1997..2125, 2004..2150, 2115..2273, 2135..2263, 2273..2542, 2274..2540, 2299..2541, 2474..2542		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81241	Strand	-
Start	9490	End	19191
Name	OJ000118_22.0309.C11.o1.tm	Method	TBLASTX:Maize
Start	2031	End	2355
GI	none	Score	553
Exons	2031..2354, 2036..2353, 2124..2354, 2221..2355		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81241	Strand	-
Start	9490	End	19191
Name	OJ000118_22.0309.C11.o3.tc	Method	TBLASTX:Cress
Start	2325	End	2534
GI	none	Score	262
Exons	2325..2534, 2327..2533		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81241	Strand	-
Start	9490	End	19191
Name	OJ000118_22.0309.C11.o1.tc	Method	TBLASTX:Cress
Start	2535	End	3058
GI	none	Score	662
Exons	2535..3050, 2537..3058		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81241	Strand	-
Start	9490	End	19191
Name	OJ000118_22.0309.C11.o2.ts	Method	TBLASTX:Soybean
Start	2567	End	3085
GI	none	Score	599
Exons	2567..2677, 2568..3050, 2659..2712, 2662..3060, 2732..3085		

Seq. No.	39366	Seq. ID	OJ000118_22.0309.C11
Gene No.	81241	Strand	-
Start	9490	End	19191
Name	OJ000118_22.0309.C11.o3.gs	Method	GENSCAN
Start	9490	End	19191
GI	none	Score	.65
Exons	9490..9821, 9891..10013, 10209..10239, 12691..12867, 14438..14552, 14580..14775, 15089..15233, 15946..16071, 16240..16402, 16600..16950, 17073..17237, 18022..18110, 19135..19191		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81242	Strand	+
Start	5	End	7359
Name	OJ000118_22.0309.C12.o1.gs	Method	GENSCAN
Start	5	End	7081
GI	none	Score	.85
Exons	5..355, 388..437, 608..708, 800..1005, 1325..1573, 2651..2740, 2851..3036, 3547..3668, 6985..7081		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81242	Strand	+
Start	5	End	7359
Name	OJ000118_22.0309.C12.o1.gp	Method	AAT/GAP
Start	3618	End	7359
GI	3760640	Score	784
Exons	3618..3668, 6985..7359		
GI Descrip.	4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81243	Strand	+
Start	14839	End	16194
Name	OJ000118_22.0309.C12.o3.gs	Method	GENSCAN
Start	14839	End	16194
GI	none	Score	.53
Exons	14839..15266, 15608..15743, 15954..15985, 16050..16194		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81244	Strand	+
Start	19592	End	24039
Name	OJ000118_22.0309.C12.o3.gp	Method	AAT/GAP
Start	19592	End	19842
GI	428570	Score	491
Exons	19592..19842		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81244	Strand	+
Start	19592	End	24039

Name	OJ000118_22.0309.C12.o4.gs	Method	GENSCAN
Start	19704	End	23801
GI	none	Score	.92
Exons	19704..20099, 21475..21723, 23091..23143, 23214..23310, 23453..23551, 23643..23801		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81244	Strand	+
Start	19592	End	24039
Name	OJ000118_22.0309.C12.o4.gp	Method	AAT/GAP
Start	23527	End	24039
GI	80325_1.R1084	Score	754
Exons	23527..23551, 23643..24039		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81245	Strand	-
Start	8291	End	14052
Name	OJ000118_22.0309.C12.o2.gs	Method	GENSCAN
Start	8291	End	14052
GI	none	Score	.
Exons	8291..8355, 10662..10683, 10883..11064, 12117..12300, 13657..13898, 13997..14052		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81245	Strand	-
Start	8291	End	14052
Name	OJ000118_22.0309.C12.o2.gp	Method	AAT/GAP
Start	10592	End	11072
GI	79598_1.R1084	Score	579
Exons	10592..10683, 10831..11072		
GI Descrip.	'5669638/gb AAD46404.1 AF096248_1 1.0e-30 (AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]'		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81245	Strand	-
Start	8291	End	14052
Name	OJ000118_22.0309.C12.o1.np	Method	AAT/NAP
Start	10637	End	14052
GI	5669638	Score	1631
Exons	10637..10690, 10832..11064, 11139..11365, 11452..11500, 11668..11723, 12034..12188, 12399..12560, 12659..12838, 13657..13898, 13997..14052		
GI Descrip.	(AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81246	Strand	-
Start	22952	End	26068
Name	OJ000118_22.0309.C12.o2.np	Method	AAT/NAP
Start	22952	End	26068
GI	4263522	Score	696
Exons	22952..22999, 24343..25418, 25545..25824, 25936..26068		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
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Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o3.tc	Method	TBLASTX:Cress
Start	40	End	7090
GI	none	Score	244
Exons	40..198, 41..340, 853..987, 861..1004, 1454..1570, 2650..2751, 2651..2743, 2847..3032, 2851..3033, 3552..3671, 3552..3659, 3559..3660, 3571..3672, 6986..7090		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o4.ts	Method	TBLASTX:Soybean
Start	40	End	277
GI	none	Score	303
Exons	40..246, 41..277		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o4.tm	Method	TBLASTX:Maize
Start	928	End	3672
GI	none	Score	101
Exons	928..987, 930..1004, 938..1006, 1324..1374, 1324..1392, 1433..1573, 1433..1570, 1486..1575, 2627..2743, 2640..2744, 2649..2741, 2650..2751, 2850..3035, 2851..3036, 2853..3059, 2933..3040, 3536..3670, 3544..3672, 3546..3671		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o6.ts	Method	TBLASTX:Soybean
Start	2648	End	3021
GI	none	Score	74
Exons	2648..2743, 2847..2984, 2851..3021		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o1.tc	Method	TBLASTX:Cress
Start	10829	End	11507
GI	none	Score	100
Exons	10829..11065, 10830..10919, 10835..10936, 10989..11030, 10991..11065, 11131..11367, 11134..11364, 11144..11368, 11168..11368, 11451..11507		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o1.ts	Method	TBLASTX:Soybean
Start	10829	End	11705
GI	none	Score	132
Exons	10829..11065, 10830..10919, 10832..10936, 10994..11065, 11002..11067, 11131..11349, 11131..11367, 11141..11371, 11451..11540, 11452..11538, 11625..11705, 11626..11703		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
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Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o1.tm	Method	TBLASTX:Maize
Start	10937	End	12456
GI	none	Score	158
Exons	10937..11065, 11131..11367, 11141..11308, 11155..11352, 11457..11540, 11458..11538, 11625..11729, 11626..11730, 11632..11727, 12031..12159, 12041..12157, 12160..12189, 12161..12190, 12418..12456		
Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o5.tc	Method	TBLASTX:Cress
Start	11625	End	12833
GI	none	Score	86
Exons	11625..11729, 12031..12198, 12041..12190, 12394..12549, 12398..12550, 12678..12833, 12694..12825		
Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o3.tm	Method	TBLASTX:Maize
Start	12393	End	14126
GI	none	Score	129
Exons	12393..12557, 12397..12621, 12397..12567, 12660..12839, 12661..12846, 12661..12846, 13649..13876, 13650..13799, 13997..14053, 13999..14052, 14100..14126		
Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o2.ts	Method	TBLASTX:Soybean
Start	12434	End	14052
GI	none	Score	133
Exons	12434..12529, 12436..12528, 12523..12558, 12524..12559, 12654..12839, 12656..12775, 12660..12839, 12661..12846, 13649..13822, 13650..13799, 13999..14052		
Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o3.ts	Method	TBLASTX:Soybean
Start	24325	End	24813
GI	none	Score	78
Exons	24325..24813, 24335..24472		
Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o2.tm	Method	TBLASTX:Maize
Start	24346	End	25434
GI	none	Score	39
Exons	24346..25125, 24559..24702, 24680..24997, 24799..25170, 24803..25171, 24835..25221, 25024..25224, 25072..25266, 25106..25237, 25138..25224, 25224..25241, 25237..25434		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o2.tc	Method	TBLASTX:Cress
Start	24547	End	25236
GI	none	Score	93
Exons	24547..24648, 24634..25212, 24772..24924, 25084..25236		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o1.tw	Method	TBLASTX:Wheat
Start	24691	End	25635
GI	none	Score	80
Exons	24691..24990, 24691..25164, 24692..25164, 25243..25407, 25474..25581, 25498..25635		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o5.ts	Method	TBLASTX:Soybean
Start	24853	End	25221
GI	none	Score	124
Exons	24853..25023, 25006..25221		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o3.np	Method	AAT/NAP
Start	26918	End	29076
GI	6714327	Score	485
Exons	26918..27164, 27267..27395, 27492..27606, 27978..28098, 28847..29076		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o4.tc	Method	TBLASTX:Cress
Start	26996	End	27396
GI	none	Score	95
Exons	26996..27181, 27004..27180, 27265..27393, 27266..27346, 27268..27396		

Seq. No.	39367	Seq. ID	OJ000118_22.0309.C12
Gene No.	81247	Strand	-
Start	26918	End	29076
Name	OJ000118_22.0309.C12.o5.tm	Method	TBLASTX:Maize
Start	27004	End	28100
GI	none	Score	63
Exons	27004..27180, 27034..27183, 27265..27393, 27266..27394, 27485..27565, 27972..28100, 27979..28062		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81248	Strand	-
Start	214	End	4138
Name	OJ000118_22.0309.C13.o1.gs	Method	GENSCAN

Start	214	End	4114
GI	none	Score	.57
Exons	214..483, 2932..3398, 3490..4114		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81248	Strand	-
Start	214	End	4138
Name	OJ000118_22.0309.C13.o1.np	Method	AAT/NAP
Start	227	End	4138
GI	3882018	Score	945
Exons	227..483, 2932..3084, 3121..3398, 3490..4138		
GI Descrip.	(Y18377) cytokinin oxidase [Zea mays]		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621
Name	OJ000118_22.0309.C13.o2.tc	Method	TBLASTX:Cress
Start	169	End	489
GI	none	Score	63
Exons	169..276, 215..277, 265..489, 275..445, 328..447		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621
Name	OJ000118_22.0309.C13.o1.ts	Method	TBLASTX:Soybean
Start	217	End	3685
GI	none	Score	97
Exons	217..252, 269..445, 271..480, 3215..3409, 3307..3414, 3486..3683, 3488..3622, 3641..3685		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621
Name	OJ000118_22.0309.C13.o2.tm	Method	TBLASTX:Maize
Start	217	End	486
GI	none	Score	97
Exons	217..252, 271..486, 284..436		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621
Name	OJ000118_22.0309.C13.o1.tc	Method	TBLASTX:Cress
Start	3103	End	3664
GI	none	Score	135
Exons	3103..3159, 3206..3409, 3307..3414, 3488..3664, 3489..3662		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621
Name	OJ000118_22.0309.C13.o1.tm	Method	TBLASTX:Maize
Start	3103	End	3400
GI	none	Score	43
Exons	3103..3135, 3139..3168, 3196..3252, 3206..3400, 3307..3399		

Seq. No.	39368	Seq. ID	OJ000118_22.0309.C13
Gene No.	81249	Strand	-
Start	6468	End	9621

Name	OJ000118_22.0309.C13.o2.gs	Method	GENSCAN
Start	6468	End	9621
GI	none	Score	.49
Exons	6468..6729, 6752..6929, 7394..7509, 8749..8924, 9343..9621		

Seq. No.	39369	Seq. ID	OJ000118_22.0309.C14
Gene No.	81250	Strand	+
Start	190	End	310
Name	OJ000118_22.0309.C14.o1.np	Method	AAT/NAP
Start	190	End	310
GI	7523512	Score	142
Exons	190..310		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39369	Seq. ID	OJ000118_22.0309.C14
Gene No.	81251	Strand	+
Start	834	End	2800
Name	OJ000118_22.0309.C14.o1.gs	Method	GENSCAN
Start	834	End	2800
GI	none	Score	.57
Exons	834..919, 1244..1557, 2255..2456, 2626..2800		

Seq. No.	39369	Seq. ID	OJ000118_22.0309.C14
Gene No.	81252	Strand	-
Start	1	End	2896
Name	OJ000118_22.0309.C14.o2.np	Method	AAT/NAP
Start	1	End	2896
GI	7340881	Score	223
Exons	1..35, 621..651, 757..864, 2619..2896		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39370	Seq. ID	OJ000118_22.0309.C15
Gene No.	81253	Strand	-
Start	1427	End	2240
Name	OJ000118_22.0309.C15.o1.np	Method	AAT/NAP
Start	1427	End	2240
GI	6815099	Score	82
Exons	1427..1553, 2185..2240		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39371	Seq. ID	OJ000118_22.0309.C16
Gene No.	81254	Strand	-
Start	429	End	2449
Name	OJ000118_22.0309.C16.o1.gs	Method	GENSCAN
Start	429	End	2449
GI	none	Score	.82
Exons	429..438, 833..1080, 1324..1496, 2302..2449		

Seq. No.	39372	Seq. ID	OJ000118_22.0309.C17
Gene No.	81255	Strand	-
Start	1	End	2511
Name	OJ000118_22.0309.C17.o1.np	Method	AAT/NAP
Start	1	End	2511
GI	3687227	Score	488
Exons	1..18, 228..373, 1170..1398, 2107..2302, 2468..2511		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39372	Seq. ID	OJ000118_22.0309.C17
Gene No.	81255	Strand	-
Start	1	End	2511
Name	OJ000118_22.0309.C17.o1.gs	Method	GENSCAN
Start	228	End	2329
GI	none	Score	.79
Exons	228..373, 1170..1398, 2107..2329		

Seq. No.	39372	Seq. ID	OJ000118_22.0309.C17
Gene No.	81255	Strand	-
Start	1	End	2511
Name	OJ000118_22.0309.C17.o1.tm	Method	TBLASTX:Maize
Start	1176	End	1398
GI	none	Score	82
Exons	1176..1265, 1176..1397, 1177..1398		

Seq. No.	39373	Seq. ID	OJ000118_22.0309.C18
Gene No.	81256	Strand	-
Start	100	End	6180
Name	OJ000118_22.0309.C18.o1.gs	Method	GENSCAN
Start	100	End	6180
GI	none	Score	.89
Exons	100..269, 786..857, 2778..2909, 2979..3066, 3439..3652, 4100..4283, 5601..5730, 5879..6180		

Seq. No.	39373	Seq. ID	OJ000118_22.0309.C18
Gene No.	81256	Strand	-
Start	100	End	6180
Name	OJ000118_22.0309.C18.o1.np	Method	AAT/NAP
Start	133	End	5955
GI	3687225	Score	469
Exons	133..269, 786..857, 2769..2909, 2979..3066, 3439..3652, 4100..4283, 5601..5730, 5879..5955		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39374	Seq. ID	OJ000118_22.0309.C19
Gene No.	81257	Strand	+
Start	2123	End	2376
Name	OJ000118_22.0309.C19.o1.gp	Method	AAT/GAP
Start	2123	End	2376
GI	LIB3434-035-P1-K1-A7	Score	385
Exons	2123..2376		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39374	Seq. ID	OJ000118_22.0309.C19
Gene No.	81258	Strand	+
Start	2340	End	2420
Name	OJ000118_22.0309.C19.o2.gp	Method	AAT/GAP
Start	2340	End	2420
GI	38012_1.R1084	Score	103
Exons	2340..2420		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	39374	Seq. ID	OJ000118_22.0309.C19
Gene No.	81259	Strand	-

Start	760	End	1530
Name	OJ000118_22.0309.C19.o1.gs	Method	GENSCAN
Start	760	End	1530
GI	none	Score	.86
Exons	760..821, 1215..1530		

Seq. No.	39375	Seq. ID	OJ000118_22.0309.C22
Gene No.	81260	Strand	+
Start	1463	End	2447
Name	OJ000118_22.0309.C22.o1.gs	Method	GENSCAN
Start	1463	End	2447
GI	none	Score	.71
Exons	1463..1673, 1720..1747, 1837..1962, 2198..2447		

Seq. No.	39375	Seq. ID	OJ000118_22.0309.C22
Gene No.	81261	Strand	+
Start	3338	End	3649
Name	OJ000118_22.0309.C22.o2.gs	Method	GENSCAN
Start	3338	End	3649
GI	none	Score	.99
Exons	3338..3649		

Seq. No.	39375	Seq. ID	OJ000118_22.0309.C22
Gene No.	81262	Strand	-
Start	4066	End	9418
Name	OJ000118_22.0309.C22.o3.gs	Method	GENSCAN
Start	4066	End	9418
GI	none	Score	.83
Exons	4066..4278, 4394..4418, 4692..4865, 6998..7263, 7325..7375, 8337..8438, 8969..9418		

Seq. No.	39375	Seq. ID	OJ000118_22.0309.C22
Gene No.	81262	Strand	-
Start	4066	End	9418
Name	OJ000118_22.0309.C22.o1.np	Method	AAT/NAP
Start	4099	End	4808
GI	7489780	Score	20
Exons	4099..4278, 4682..4808		
GI Descrip.	intensifier 1 protein - maize gi 1420924 gb AAB03841.1 (U57899) IN1 [Zea mays]		

Seq. No.	39375	Seq. ID	OJ000118_22.0309.C22
Gene No.	81262	Strand	-
Start	4066	End	9418
Name	OJ000118_22.0309.C22.o1.tm	Method	TBLASTX:Maize
Start	8361	End	8648
GI	none	Score	177
Exons	8361..8558, 8396..8548, 8553..8648		

Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81263	Strand	+
Start	1	End	1212
Name	OJ000118_21.0313.C1.o1.np	Method	AAT/NAP
Start	1	End	1212
GI	2062155	Score	154
Exons	1..82, 971..1083, 1169..1212		
GI Descrip.	(AC001645) mitochondrial processing peptidase alpha subunit		

precursor isolog [Arabidopsis thaliana]

Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81264	Strand	-
Start	1262	End	1389
Name	OJ000118_21.0313.C1.o1.gp	Method	AAT/GAP
Start	1262	End	1389
GI	none	Score	256
Exons	1262..1389		
Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81265	Strand	-
Start	1822	End	2367
Name	OJ000118_21.0313.C1.o2.gs	Method	GENSCAN
Start	1822	End	2367
GI	none	Score	.53
Exons	1822..2142, 2209..2367		
Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81266	Strand	-
Start	4185	End	4318
Name	OJ000118_21.0313.C1.o1.tw	Method	TBLASTX:Wheat
Start	12	End	1221
GI	none	Score	86
Exons	12..83, 15..83, 28..84, 31..84, 32..91, 968..1081, 968..1081, 969..1082, 970..1095, 1153..1221, 1167..1220, 1168..1221		
Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81266	Strand	-
Start	4185	End	4318
Name	OJ000118_21.0313.C1.o1.tm	Method	TBLASTX:Maize
Start	17	End	1346
GI	none	Score	88
Exons	17..82, 18..83, 968..1081, 969..1082, 970..1083, 970..1089, 1153..1227, 1167..1226, 1168..1227, 1317..1346		
Seq. No.	39376	Seq. ID	OJ000118_21.0313.C1
Gene No.	81266	Strand	-
Start	4185	End	4318
Name	OJ000118_21.0313.C1.o3.gs	Method	GENSCAN
Start	4185	End	4318
GI	none	Score	.62
Exons	4185..4318		
Seq. No.	39377	Seq. ID	OJ000118_21.0313.C2
Gene No.	81267	Strand	+
Start	1	End	839
Name	OJ000118_21.0313.C2.o1.np	Method	AAT/NAP
Start	1	End	159
GI	5922623	Score	59
Exons	1..159		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	39377	Seq. ID	OJ000118_21.0313.C2
Gene No.	81267	Strand	+

Start	1	End	839
Name	OJ000118_21.0313.C2.o1.gs	Method	GENSCAN
Start	11	End	839
GI	none	Score	.5
Exons	11..65, 84..159, 283..461, 766..839		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81268	Strand	+
Start	3324	End	5065
Name	OJ000118_21.0313.C4.o2.gp	Method	AAT/GAP
Start	3273	End	3911
GI	14428_1.R1084	Score	916
Exons	3273..3707, 3825..3911		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81268	Strand	+
Start	3324	End	5065
Name	OJ000118_21.0313.C4.o2.gs	Method	GENSCAN
Start	3324	End	5065
GI	none	Score	.94
Exons	3324..3707, 3825..4078, 4713..5065		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81269	Strand	-
Start	333	End	939
Name	OJ000118_21.0313.C4.o1.gp	Method	AAT/GAP
Start	333	End	939
GI	none	Score	1180
Exons	333..939		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81270	Strand	
Start	3323	End	5076
Name	OJ000118_21.0313.C4.o2.tm	Method	TBLASTX:Maize
Start	3323	End	3644
GI	none	Score	69
Exons	3323..3643, 3330..3389, 3460..3639, 3585..3644		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81270	Strand	
Start	3323	End	5076
Name	OJ000118_21.0313.C4.o3.ts	Method	TBLASTX:Soybean
Start	3525	End	3695
GI	none	Score	70
Exons	3525..3638, 3529..3639, 3533..3694, 3585..3695		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81270	Strand	
Start	3323	End	5076
Name	OJ000118_21.0313.C4.o1.tc	Method	TBLASTX:Cress
Start	3533	End	3908
GI	none	Score	189
Exons	3533..3688, 3585..3710, 3816..3908, 3821..3904		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
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Gene No.	81270	Strand	
Start	3323	End	5076
Name	OJ000118_21.0313.C4.o1.tm	Method	TBLASTX:Maize
Start	3645	End	5074
GI	none	Score	117
Exons	3645..3710, 3650..3709, 3816..4100, 3817..4077, 3819..4079, 3821..4114, 4704..5072, 4711..5073, 4994..5074		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81270	Strand	
Start	3323	End	5076
Name	OJ000118_21.0313.C4.o1.ts	Method	TBLASTX:Soybean
Start	3816	End	4010
GI	none	Score	276
Exons	3816..4010, 3817..3885, 3821..4009		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81270	Strand	
Start	3323	End	5076
Name	OJ000118_21.0313.C4.o2.tc	Method	TBLASTX:Cress
Start	4879	End	5073
GI	none	Score	280
Exons	4879..5073, 4881..5072		

Seq. No.	39378	Seq. ID	OJ000118_21.0313.C4
Gene No.	81270	Strand	
Start	3323	End	5076
Name	OJ000118_21.0313.C4.o2.ts	Method	TBLASTX:Soybean
Start	4896	End	5076
GI	none	Score	232
Exons	4896..5075, 4897..5076		

Seq. No.	39379	Seq. ID	OJ000118_21.0313.C5
Gene No.	81271	Strand	+
Start	569	End	3139
Name	OJ000118_21.0313.C5.o1.gs	Method	GENSCAN
Start	569	End	3139
GI	none	Score	.42
Exons	569..571, 2570..2750, 2868..3139		

Seq. No.	39379	Seq. ID	OJ000118_21.0313.C5
Gene No.	81272	Strand	+
Start	3496	End	4804
Name	OJ000118_21.0313.C5.o1.np	Method	AAT/NAP
Start	3496	End	4804
GI	5777617	Score	97
Exons	3496..3540, 4700..4804		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39379	Seq. ID	OJ000118_21.0313.C5
Gene No.	81273	Strand	+
Start	10466	End	10543
Name	OJ000118_21.0313.C5.o4.np	Method	AAT/NAP
Start	10466	End	10543
GI	6630699	Score	77
Exons	10466..10543		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein
[Oryza sativa]

Seq. No.	39379	Seq. ID	OJ000118_21.0313.C5
Gene No.	81274	Strand	+
Start	10670	End	11207
Name	OJ000118_21.0313.C5.o5.np	Method	AAT/NAP
Start	10670	End	11207
GI	6539570	Score	172
Exons	10670..10885, 11057..11118, 11168..11207		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39379	Seq. ID	OJ000118_21.0313.C5
Gene No.	81275	Strand	-
Start	6440	End	6848
Name	OJ000118_21.0313.C5.o3.np	Method	AAT/NAP
Start	6440	End	6848
GI	5777617	Score	75
Exons	6440..6538, 6647..6848		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39379	Seq. ID	OJ000118_21.0313.C5
Gene No.	81276	Strand	-
Start	8858	End	10793
Name	OJ000118_21.0313.C5.o3.gs	Method	GENSCAN
Start	8858	End	10793
GI	none	Score	.6
Exons	8858..9251, 9368..9401, 9695..9824, 10441..10537, 10698..10793		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81277	Strand	+
Start	1621	End	3840
Name	OJ000118_21.0313.C6.o1.np	Method	AAT/NAP
Start	1621	End	3708
GI	4093155	Score	330
Exons	1621..1673, 3023..3301, 3399..3528, 3609..3708		
GI Descrip.	(AF088281) phytochrome-associated protein 1 [Arabidopsis thaliana]		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81277	Strand	+
Start	1621	End	3840
Name	OJ000118_21.0313.C6.o1.gs	Method	GENSCAN
Start	2588	End	3840
GI	none	Score	.99
Exons	2588..2656, 2855..2925, 3015..3301, 3399..3528, 3609..3672, 3814..3840		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81278	Strand	+
Start	3818	End	4229
Name	OJ000118_21.0313.C6.o2.gp	Method	AAT/GAP
Start	3818	End	4229
GI	4716781	Score	776
Exons	3818..4229		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
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Gene No.	81279	Strand	+
Start	10038	End	13689
Name	OJ000118_21.0313.C6.o3.gs	Method	GENSCAN
Start	10038	End	13689
GI	none	Score	.57
Exons	10038..10123, 10197..10333, 10550..11007, 11918..12433, 12622..12837, 12961..13689		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81280	Strand	+
Start	18242	End	20869
Name	OJ000118_21.0313.C6.o5.gs	Method	GENSCAN
Start	18242	End	20869
GI	none	Score	.61
Exons	18242..18278, 18630..18673, 20316..20393, 20762..20869		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81280	Strand	+
Start	18242	End	20869
Name	OJ000118_21.0313.C6.o4.np	Method	AAT/NAP
Start	19095	End	20520
GI	5852084	Score	80

Exons 19095..19134, 20437..20520
 GI Descrip. (AL117264) zwh0007.1 [Oryza sativa]

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81281	Strand	-
Start	5643	End	13416
Name	OJ000118_21.0313.C6.o2.np	Method	AAT/NAP
Start	5633	End	13416
GI	6594672	Score	1234
Exons	5633..5963, 6037..6118, 6296..6426, 6522..6620, 6762..6917, 7013..7087, 7350..7532, 7652..7802, 7948..8102, 13300..13416		
GI Descrip.	(AF118132) chloroplast outer envelope hexokinase 1 [Spinacia oleracea]		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81281	Strand	-
Start	5643	End	13416
Name	OJ000118_21.0313.C6.o2.gs	Method	GENSCAN
Start	5643	End	8917
GI	none	Score	.61
Exons	5643..5963, 5980..6118, 6296..6426, 6762..6917, 7013..7087, 7350..7532, 7652..7802, 7948..8157, 8410..8793, 8910..8917		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81282	Strand	-
Start	14693	End	15695
Name	OJ000118_21.0313.C6.o4.gs	Method	GENSCAN
Start	14693	End	15695
GI	none	Score	.79
Exons	14693..14835, 15590..15695		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o3.tm	Method	TBLASTX:Maize

Start	5497	End	5834
GI	none	Score	54
Exons	5497..5544, 5505..5543, 5611..5721, 5635..5721, 5640..5834, 5650..5823		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o1.tc	Method	TBLASTX:Cress
Start	5647	End	8084
GI	none	Score	172
Exons	5647..5820, 5691..5825, 5823..5942, 5841..5969, 5981..6121, 5986..6144, 6268..6429, 6311..6427, 6522..6620, 6523..6621, 6757..6915, 6759..6917, 7007..7087, 7008..7088, 7347..7532, 7348..7533, 7350..7547, 7650..7763, 7655..7798, 7667..7804, 7947..8084		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o1.ts	Method	TBLASTX:Soybean
Start	5650	End	8084
GI	none	Score	178
Exons	5650..5820, 5691..5825, 5841..5966, 5841..5969, 5989..6147, 6032..6160, 6295..6429, 6305..6427, 6522..6620, 6523..6621, 6757..6915, 6759..6917, 7007..7087, 7008..7088, 7347..7535, 7348..7533, 7643..7798, 7656..7763, 7947..8084		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o1.tm	Method	TBLASTX:Maize
Start	5841	End	8090
GI	none	Score	76
Exons	5841..5930, 5854..5949, 5943..5966, 6031..6135, 6038..6136, 6274..6429, 6275..6421, 6522..6620, 6522..6620, 6523..6621, 6757..6918, 6759..6917, 7007..7087, 7008..7088, 7325..7393, 7345..7470, 7347..7529, 7347..7532, 7348..7533, 7433..7534, 7644..7763, 7652..7801, 7947..7997, 7947..8090		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o1.tw	Method	TBLASTX:Wheat
Start	6814	End	7088
GI	none	Score	121
Exons	6814..6918, 6816..6917, 7007..7087, 7008..7088		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o2.tm	Method	TBLASTX:Maize
Start	13207	End	13535
GI	none	Score	252
Exons	13207..13464, 13209..13325, 13314..13358, 13395..13463, 13497..13535, 13498..13530		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o2.ts	Method	TBLASTX:Soybean
Start	13384	End	13694
GI	none	Score	97
Exons	13384..13467, 13395..13466, 13500..13694, 13528..13689		

Seq. No.	39380	Seq. ID	OJ000118_21.0313.C6
Gene No.	81283	Strand	-
Start	16692	End	20665
Name	OJ000118_21.0313.C6.o3.np	Method	AAT/NAP
Start	16692	End	20665
GI	4539658	Score	105
Exons	16692..16713, 19199..19339, 20633..20665		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	39381	Seq. ID	OJ000118_21.0313.C7
Gene No.	81284	Strand	-
Start	820	End	1047
Name	OJ000118_21.0313.C7.o1.gs	Method	GENSCAN
Start	820	End	1047
GI	none	Score	.71
Exons	820..897, 964..1047		

Seq. No.	39382	Seq. ID	OJ000118_21.0313.C8
Gene No.	81285	Strand	+
Start	605	End	1451
Name	OJ000118_21.0313.C8.o1.np	Method	AAT/NAP
Start	605	End	1451
GI	6721543	Score	103
Exons	605..737, 1433..1451		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39382	Seq. ID	OJ000118_21.0313.C8
Gene No.	81285	Strand	+
Start	605	End	1451
Name	OJ000118_21.0313.C8.o1.gp	Method	AAT/GAP
Start	619	End	787
GI	7406_1.R1084	Score	220
Exons	619..787		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	39382	Seq. ID	OJ000118_21.0313.C8
Gene No.	81285	Strand	+
Start	605	End	1451
Name	OJ000118_21.0313.C8.o2.np	Method	AAT/NAP
Start	1224	End	1451
GI	7228442	Score	358
Exons	1224..1451		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39382	Seq. ID	OJ000118_21.0313.C8
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Gene No.	81286	Strand	-
Start	535	End	700
Name	OJ000118_21.0313.C8.o1.gs	Method	GENSCAN
Start	535	End	700
GI	none	Score	.78
Exons	535..700		

Seq. No.	39383	Seq. ID	OJ000118_21.0313.C9
Gene No.	81287	Strand	+
Start	1	End	1038
Name	OJ000118_21.0313.C9.o1.np	Method	AAT/NAP
Start	1	End	1038
GI	7228442	Score	1739
Exons	1..1038		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39383	Seq. ID	OJ000118_21.0313.C9
Gene No.	81287	Strand	+
Start	1	End	1038
Name	OJ000118_21.0313.C9.o1.gs	Method	GENSCAN
Start	18	End	713
GI	none	Score	.57
Exons	18..713		

Seq. No.	39383	Seq. ID	OJ000118_21.0313.C9
Gene No.	81287	Strand	+
Start	1	End	1038
Name	OJ000118_21.0313.C9.o1.tm	Method	TBLASTX:Maize
Start	468	End	1037
GI	none	Score	90
Exons	468..596, 630..701, 731..871, 732..932, 996..1037		

Seq. No.	39383	Seq. ID	OJ000118_21.0313.C9
Gene No.	81287	Strand	+
Start	1	End	1038
Name	OJ000118_21.0313.C9.o1.gp	Method	AAT/GAP
Start	511	End	945
GI	5701669	Score	798
Exons	511..945		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39383	Seq. ID	OJ000118_21.0313.C9
Gene No.	81287	Strand	+
Start	1	End	1038
Name	OJ000118_21.0313.C9.o1.tw	Method	TBLASTX:Wheat
Start	765	End	1037
GI	none	Score	200
Exons	765..959, 774..971, 965..1036, 969..1037		

Seq. No.	39384	Seq. ID	OJ000118_21.0313.C10
Gene No.	81288	Strand	+
Start	1	End	1309
Name	OJ000118_21.0313.C10.o1.np	Method	AAT/NAP

Start	1	End	1309
GI	5441880	Score	908
Exons	1..999, 1076..1309		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39384	Seq. ID	OJ000118_21.0313.C10
Gene No.	81288	Strand	+
Start	1	End	1309
Name	OJ000118_21.0313.C10.o1.gs	Method	GENSCAN
Start	129	End	1219
GI	none	Score	.67
Exons	129..326, 756..999, 1076..1219		

Seq. No.	39384	Seq. ID	OJ000118_21.0313.C10
Gene No.	81288	Strand	+
Start	1	End	1309
Name	OJ000118_21.0313.C10.o1.gp	Method	AAT/GAP
Start	827	End	1309
GI	LIB3475-007-P1-K1-G8	Score	755
Exons	827..999, 1076..1309		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	39385	Seq. ID	OJ000118_21.0313.C11
Gene No.	81289	Strand	+
Start	1	End	1134
Name	OJ000118_21.0313.C11.o1.np	Method	AAT/NAP
Start	1	End	577
GI	5441880	Score	546
Exons	1..227, 343..577		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39385	Seq. ID	OJ000118_21.0313.C11
Gene No.	81289	Strand	+
Start	1	End	1134
Name	OJ000118_21.0313.C11.o2.np	Method	AAT/NAP
Start	1	End	880
GI	7228442	Score	269
Exons	1..22, 696..880		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39385	Seq. ID	OJ000118_21.0313.C11
Gene No.	81289	Strand	+
Start	1	End	1134
Name	OJ000118_21.0313.C11.o1.gs	Method	GENSCAN
Start	97	End	856
GI	none	Score	.71
Exons	97..227, 291..338, 343..545, 696..856		

Seq. No.	39385	Seq. ID	OJ000118_21.0313.C11
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Gene No.	81289	Strand	+
Start	1	End	1134
Name	OJ000118_21.0313.C11.o1.gp	Method	AAT/GAP
Start	681	End	1134
GI	LIB3431-045-P1-N1-A10	Score	856
Exons	681..1134		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39386	Seq. ID	OJ000118_21.0313.C14
Gene No.	81290	Strand	-
Start	103	End	618
Name	OJ000118_21.0313.C14.o1.gs	Method	GENSCAN
Start	103	End	617
GI	none	Score	.73
Exons	103..221, 306..379, 468..617		

Seq. No.	39386	Seq. ID	OJ000118_21.0313.C14
Gene No.	81290	Strand	-
Start	103	End	618
Name	OJ000118_21.0313.C14.o1.np	Method	AAT/NAP
Start	103	End	600
GI	7487460	Score	313
Exons	103..221, 306..399, 464..600		
GI Descrip.	hypothetical protein T27D20.12 - Arabidopsis thaliana gi 3377842 gb AAC28224.1 (AF076274) T27D20.12 gene product [Arabidopsis thaliana] gi 7267175 emb CAB77887.1 (AL161499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39386	Seq. ID	OJ000118_21.0313.C14
Gene No.	81290	Strand	-
Start	103	End	618
Name	OJ000118_21.0313.C14.o1.tm	Method	TBLASTX:Maize
Start	322	End	618
GI	none	Score	81
Exons	322..378, 324..377, 466..618, 468..617, 469..618		

Seq. No.	39387	Seq. ID	OJ000118_21.0313.C15
Gene No.	81291	Strand	+
Start	4	End	2292
Name	OJ000118_21.0313.C15.o1.gs	Method	GENSCAN
Start	4	End	2034
GI	none	Score	.61
Exons	4..133, 148..227, 326..429, 1123..1211, 1561..1680, 1689..1789, 2008..2034		

Seq. No.	39387	Seq. ID	OJ000118_21.0313.C15
Gene No.	81291	Strand	+
Start	4	End	2292
Name	OJ000118_21.0313.C15.o1.gp	Method	AAT/GAP
Start	332	End	2292
GI	225_3.R1084	Score	1259
Exons	332..429, 1123..1211, 1561..1789, 2008..2292		
GI Descrip.	'899610 3.0e-22 (U29383) acidic ribosomal protein P2 [Zea mays]'		

Seq. No.	39387	Seq. ID	OJ000118_21.0313.C15
Gene No.	81291	Strand	+

Start	4	End	2292
Name	OJ000118_21.0313.C15.o1.tw	Method	TBLASTX:Wheat
Start	1114	End	2043
GI	none	Score	78
Exons	1114..1209, 1117..1194, 1121..1210, 1122..1217, 1125..1217, 1541..1681, 1548..1682, 1552..1683, 1552..1683, 2005..2043		

Seq. No.	39387	Seq. ID	OJ000118_21.0313.C15
Gene No.	81291	Strand	+
Start	4	End	2292
Name	OJ000118_21.0313.C15.o1.tm	Method	TBLASTX:Maize
Start	1120	End	2085
GI	none	Score	111
Exons	1120..1209, 1124..1210, 1538..1681, 1548..1682, 1928..2008, 2008..2085		

Seq. No.	39387	Seq. ID	OJ000118_21.0313.C15
Gene No.	81291	Strand	+
Start	4	End	2292
Name	OJ000118_21.0313.C15.o1.np	Method	AAT/NAP
Start	1124	End	2031
GI	1173073	Score	396
Exons	1124..1211, 1561..1789, 2008..2031		
GI Descrip.	60S ACIDIC RIBOSOMAL PROTEIN P2A (P2) gi 1076787 pir S54179 acidic ribosomal protein 60S - maize gi 2130117 pir S65781 acidic ribosomal protein P2 - maize gi 790508 emb CAA60251 (X86553) 60S acidic ribosomal protein [Zea mays]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81292	Strand	+
Start	567	End	6723
Name	OJ000118_21.0313.C16.o1.gs	Method	GENSCAN
Start	567	End	2993
GI	none	Score	.97
Exons	567..2993		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81292	Strand	+
Start	567	End	6723
Name	OJ000118_21.0313.C16.o1.np	Method	AAT/NAP
Start	567	End	6720
GI	7228457	Score	9233
Exons	567..933, 995..2930, 2994..3829, 3952..5103, 5170..6720		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81292	Strand	+
Start	567	End	6723
Name	OJ000118_21.0313.C16.o2.gs	Method	GENSCAN
Start	3057	End	6723
GI	none	Score	.93
Exons	3057..3462, 3467..6723		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81293	Strand	+

Start	11715	End	19254
Name	OJ000118_21.0313.C16.o3.np	Method	AAT/NAP
Start	11715	End	19254
GI	5042454	Score	291
Exons	11715..11865, 12193..12287, 19177..19254		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81294	Strand	-
Start	7358	End	10597
Name	OJ000118_21.0313.C16.o3.gs	Method	GENSCAN
Start	7358	End	10597
GI	none	Score	.6
Exons	7358..8551, 8581..9241, 9336..9504, 9532..10597		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81294	Strand	-
Start	7358	End	10597
Name	OJ000118_21.0313.C16.o2.np	Method	AAT/NAP
Start	7361	End	10597
GI	6907089	Score	4099
Exons	7361..9241, 9336..10597		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81295	Strand	-
Start	12724	End	12866
Name	OJ000118_21.0313.C16.o4.np	Method	AAT/NAP
Start	12724	End	12866
GI	3914423	Score	166
Exons	12724..12866		
GI Descrip.	PROFILIN 4 gi 2642324 (AF032370) profilin [Zea mays]		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81296	Strand	-
Start	15822	End	17064
Name	OJ000118_21.0313.C16.o1:gp	Method	AAT/GAP
Start	15642	End	17064
GI	10594_1.R1084	Score	2054
Exons	15642..16077, 16398..17064		
GI Descrip.	'3341443/emb CAA11075 2.0e-31 (AJ223074) acid phosphatase [Glycine max]'		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81296	Strand	-
Start	15822	End	17064
Name	OJ000118_21.0313.C16.o5.gs	Method	GENSCAN
Start	15822	End	17053
GI	none	Score	1
Exons	15822..16077, 16398..17053		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81296	Strand	-
Start	15822	End	17064
Name	OJ000118_21.0313.C16.o5.np	Method	AAT/NAP
Start	15897	End	17047
GI	7442053	Score	474

Exons 15897..16077, 16398..17047
 GI Descrip. acid phosphatase (EC 3.1.3.-) - soybean
 gi|3341443|emb|CAA11075.1| (AJ223074) acid phosphatase [Glycine
 max]

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o6.tw	Method	TBLASTX:Wheat
Start	1221	End	1613
GI	none	Score	58
Exons	1221..1268, 1275..1373, 1292..1372, 1340..1579, 1356..1613		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o6.tm	Method	TBLASTX:Maize
Start	1226	End	1511
GI	none	Score	193
Exons	1226..1510, 1263..1511		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o3.tw	Method	TBLASTX:Wheat
Start	2351	End	2837
GI	none	Score	411
Exons	2351..2524, 2352..2837, 2546..2833		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o1.tw	Method	TBLASTX:Wheat
Start	3002	End	3443
GI	none	Score	573
Exons	3002..3442, 3003..3443		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o4.ts	Method	TBLASTX:Soybean
Start	3042	End	3407
GI	none	Score	116
Exons	3042..3266, 3273..3407		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o3.tm	Method	TBLASTX:Maize
Start	3132	End	3489
GI	none	Score	333
Exons	3132..3437, 3167..3442, 3445..3489		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o2.tm	Method	TBLASTX:Maize

Start 3516
 GI none
 Exons 3516..3881, 3517..3900

End 3900
 Score 360

Seq. No. 39388
 Gene No. 81297
 Start 17362
 Name OJ000118_21.0313.C16.o2.tw
 Start 3574
 GI none
 Exons 3574..3993, 3579..3998

Seq. ID OJ000118_21.0313.C16
 Strand -
 End 17800
 Method TBLASTX:Wheat
 End 3998
 Score 485

Seq. No. 39388
 Gene No. 81297
 Start 17362
 Name OJ000118_21.0313.C16.o2.ts
 Start 3652
 GI none
 Exons 3652..4023, 3669..3812

Seq. ID OJ000118_21.0313.C16
 Strand -
 End 17800
 Method TBLASTX:Soybean
 End 4023
 Score 278

Seq. No. 39388
 Gene No. 81297
 Start 17362
 Name OJ000118_21.0313.C16.o5.tw
 Start 4624
 GI none
 Exons 4624..4872, 4648..4872, 4713..4886, 4942..5082, 4944..5081

Seq. ID OJ000118_21.0313.C16
 Strand -
 End 17800
 Method TBLASTX:Wheat
 End 5082
 Score 234

Seq. No. 39388
 Gene No. 81297
 Start 17362
 Name OJ000118_21.0313.C16.o3.ts
 Start 4771
 GI 5666795
 Exons 4771..4869, 4945..5082, 5137..5337
 GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. ID OJ000118_21.0313.C16
 Strand -
 End 17800
 Method TBLASTX:Soybean
 End 5337
 Score 68

Seq. No. 39388
 Gene No. 81297
 Start 17362
 Name OJ000118_21.0313.C16.o8.tw
 Start 5085
 GI none
 Exons 5085..5261, 5098..5286, 5137..5397

Seq. ID OJ000118_21.0313.C16
 Strand -
 End 17800
 Method TBLASTX:Wheat
 End 5397
 Score 192

Seq. No. 39388
 Gene No. 81297
 Start 17362
 Name OJ000118_21.0313.C16.o1.tm
 Start 5590
 GI none
 Exons 5590..5913, 5619..5900

Seq. ID OJ000118_21.0313.C16
 Strand -
 End 17800
 Method TBLASTX:Maize
 End 5913
 Score 361

Seq. No. 39388
 Gene No. 81297
 Start 17362
 Name OJ000118_21.0313.C16.o4.tw

Seq. ID OJ000118_21.0313.C16
 Strand -
 End 17800
 Method TBLASTX:Wheat

Start	5727	End	6108
GI	none	Score	375
Exons	5727..5783, 5728..6108, 5829..6077		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o7.tw	Method	TBLASTX:Wheat
Start	6109	End	6711
GI	none	Score	265
Exons	6109..6393, 6114..6392, 6585..6707, 6586..6711		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o5.tm	Method	TBLASTX:Maize
Start	6580	End	6762
GI	none	Score	201
Exons	6580..6762, 6585..6761		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o7.tm	Method	TBLASTX:Maize
Start	8803	End	12859
GI	none	Score	138
Exons	8803..8874, 8871..8927, 12688..12819, 12719..12808, 12827..12859		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o1.tc	Method	TBLASTX:Cress
Start	15900	End	16882
GI	none	Score	76
Exons	15900..16007, 15901..16002, 16397..16462, 16475..16699, 16494..16694, 16703..16882		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o1.ts	Method	TBLASTX:Soybean
Start	15900	End	16879
GI	none	Score	98
Exons	15900..16022, 15901..16002, 16442..16690, 16476..16691, 16757..16879, 16782..16874		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-
Start	17362	End	17800
Name	OJ000118_21.0313.C16.o4.tm	Method	TBLASTX:Maize
Start	15940	End	16823
GI	none	Score	86
Exons	15940..16002, 15942..16010, 15990..16052, 16443..16475, 16475..16678, 16491..16688, 16757..16822, 16767..16823		

Seq. No.	39388	Seq. ID	OJ000118_21.0313.C16
Gene No.	81297	Strand	-

Start 17362
 Name OJ000118_21.0313.C16.o6.gs
 Start 17362
 GI none
 Exons 17362..17466, 17692..17800

End 17800
 Method GENSCAN
 End 17800
 Score .52

Seq. No. 39389
 Gene No. 81298
 Start 5444
 Name OJ000118_21.0313.C17.o2.gs
 Start 5444
 GI none
 Exons 5444..5513, 6223..6325, 6586..6692, 7156..7226, 8422..8613, 8814..8943, 9482..10071, 10932..11086, 12081..12209, 12672..12734

Seq. ID OJ000118_21.0313.C17
 Strand +
 End 12734
 Method GENSCAN
 End 12734
 Score .81

Seq. No. 39389
 Gene No. 81298
 Start 5444
 Name OJ000118_21.0313.C17.o3.gp
 Start 7486
 GI none
 Exons 7486..7508, 7761..7965

Seq. ID OJ000118_21.0313.C17
 Strand +
 End 12734
 Method AAT/GAP
 End 7965
 Score 312

Seq. No. 39389
 Gene No. 81298
 Start 5444
 Name OJ000118_21.0313.C17.o4.gp
 Start 8245
 GI 41770_1.R1084
 Exons 8245..8305, 8422..8613, 8766..8943, 9482..9553
 GI Descrip. '2842493/emb|CAA16890.1| 6.0e-37 (AL021749) predicted protein [Arabidopsis thaliana]'

Seq. ID OJ000118_21.0313.C17
 Strand +
 End 12734
 Method AAT/GAP
 End 9553
 Score 918

Seq. No. 39389
 Gene No. 81298
 Start 5444
 Name OJ000118_21.0313.C17.o2.np
 Start 8488
 GI 7487112
 Exons 8488..8613, 8763..8943, 9482..10118, 10838..11086
 GI Descrip. hypothetical protein T17A13.50 - Arabidopsis thaliana gi|7269821|emb|CAB79681.1| (AL161574) putative protein [Arabidopsis thaliana]

Seq. ID OJ000118_21.0313.C17
 Strand +
 End 12734
 Method AAT/NAP
 End 11086
 Score 911

Seq. No. 39389
 Gene No. 81298
 Start 5444
 Name OJ000118_21.0313.C17.o5.gp
 Start 10845
 GI 3107511
 Exons 10845..11086, 12126..12225, 12596..12614

Seq. ID OJ000118_21.0313.C17
 Strand +
 End 12734
 Method AAT/GAP
 End 12614
 Score 587

Seq. No. 39389
 Gene No. 81299
 Start 1
 Name OJ000118_21.0313.C17.o1.np

Seq. ID OJ000118_21.0313.C17
 Strand -
 End 4778
 Method AAT/NAP

Start	1	End	2452
GI	2117355	Score	828
Exons	1..26, 94..167, 249..426, 526..692, 782..1078, 1170..1374, 2385..2452		
GI Descrip.	mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato gi 587562 emb CAA56520 (X80236) mitochondrial processing peptidase [Solanum tuberosum]		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.tm	Method	TBLASTX:Maize
Start	96	End	1418
GI	none	Score	105
Exons	96..179, 97..183, 99..179, 107..187, 136..183, 260..373, 261..374, 262..375, 375..425, 376..426, 377..427, 496..609, 500..613, 522..650, 539..652, 606..680, 609..692, 779..1078, 782..1072, 784..1080, 1173..1418, 1177..1413, 1226..1417		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.ts	Method	TBLASTX:Soybean
Start	99	End	1367
GI	none	Score	62
Exons	99..167, 122..187, 251..373, 285..374, 376..426, 380..427, 496..609, 524..661, 609..692, 779..820, 780..815, 808..987, 818..1063, 821..1075, 822..1076, 1170..1367, 1171..1341		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.gp	Method	AAT/GAP
Start	252	End	688
GI	4968869	Score	610
Exons	252..426, 526..688		
GI Descrip.	2117355/pir S51590 2.0e-31 mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato >gi_587562_emb_CAA56520_(X80236) mitochondrial processing peptidase [Solanum tuberosum]		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.tw	Method	TBLASTX:Wheat
Start	275	End	816
GI	none	Score	121
Exons	275..373, 279..374, 280..375, 376..423, 380..424, 496..609, 500..613, 527..661, 590..694, 606..701, 609..692, 777..815, 778..816, 778..813		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.tc	Method	TBLASTX:Cress
Start	609	End	1346
GI	none	Score	46

Exons 609..692, 611..694, 779..1075, 782..1063, 786..1076, 1170..1346, 1171..1332

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o1.gs	Method	GENSCAN
Start	782	End	4778
GI	none	Score	.78
Exons	782..1078, 1170..1415, 2250..2312, 2713..2864, 3078..3209, 3933..4187, 4658..4778		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81299	Strand	-
Start	1	End	4778
Name	OJ000118_21.0313.C17.o2.gp	Method	AAT/GAP
Start	994	End	1417
GI	uC-osf1M202061f12b1	Score	568
Exons	994..1078, 1170..1417		
GI Descrip.	'2117355/pir S51590 6.0e-31 mitochondrial processing peptidase (EC 3.4.99.41) alpha-II chain precursor - potato >gi_587562 emb_CAA56520_ (X80236) mitochondrial processing peptidase [Solanum tuberosum]'		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81300	Strand	-
Start	8759	End	8951
Name	OJ000118_21.0313.C17.o3.ts	Method	TBLASTX:Soybean
Start	8759	End	8951
GI	none	Score	263
Exons	8759..8947, 8766..8951		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81301	Strand	-
Start	9489	End	9819
Name	OJ000118_21.0313.C17.o2.tm	Method	TBLASTX:Maize
Start	9489	End	9741
GI	none	Score	288
Exons	9489..9731, 9492..9740, 9493..9741		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81301	Strand	-
Start	9489	End	9819
Name	OJ000118_21.0313.C17.o2.ts	Method	TBLASTX:Soybean
Start	9505	End	9819
GI	none	Score	108
Exons	9505..9576, 9510..9581, 9547..9819, 9594..9818		

Seq. No.	39389	Seq. ID	OJ000118_21.0313.C17
Gene No.	81302	Strand	-
Start	10026	End	11035
Name	OJ000118_21.0313.C17.o3.tm	Method	TBLASTX:Maize
Start	10026	End	11035
GI	none	Score	75
Exons	10026..10067, 10027..10083, 10819..11022, 10826..11035, 10829..10870, 10831..10881, 10918..11034, 10958..11035		

Seq. No.	39390	Seq. ID	OJ000118_21.0313.C18
Gene No.	81303	Strand	-
Start	25	End	90
Name	OJ000118_21.0313.C18.o1.gs	Method	GENSCAN
Start	25	End	90
GI	none	Score	.53
Exons	25..90		

Seq. No.	39391	Seq. ID	OJ000208_28.0309.C2
Gene No.	81304	Strand	+
Start	410	End	803
Name	OJ000208_28.0309.C2.o1.gs	Method	GENSCAN
Start	410	End	803
GI	none	Score	.72
Exons	410..522, 712..803		

Seq. No.	39391	Seq. ID	OJ000208_28.0309.C2
Gene No.	81305	Strand	+
Start	1400	End	1485
Name	OJ000208_28.0309.C2.o1.gp	Method	AAT/GAP
Start	1400	End	1485
GI	none	Score	115
Exons	1400..1485		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o1.gs	Method	GENSCAN
Start	320	End	3986
GI	none	Score	.99
Exons	320..436, 970..1143, 1223..1363, 1538..3204, 3383..3491, 3606..3986		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o1.np	Method	AAT/NAP
Start	991	End	3872
GI	2088657	Score	568
Exons	991..1143, 1223..1371, 1546..2536, 2588..3207, 3380..3491, 3606..3872		

GI Descrip. (AF002109) unknown protein [Arabidopsis thaliana]

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o1.tm	Method	TBLASTX:Maize
Start	1325	End	2221
GI	none	Score	62
Exons	1325..1366, 1535..1666, 1535..1666, 1536..1667, 1664..1819, 1669..1842, 1669..1836, 1671..1859, 1853..1894, 1873..1950, 1874..1951, 1892..1951, 1983..2045, 1986..2078, 2090..2221		

Seq. No.	39392	Seq. ID	OJ000208_28.0309.C5
Gene No.	81306	Strand	+
Start	320	End	3986
Name	OJ000208_28.0309.C5.o1.gp	Method	AAT/GAP

Start 1765
GI none
Exons 1765..2099

End 2099
Score 491

Seq. No. 39392
Gene No. 81306
Start 320
Name OJ000208_28.0309.C5.o2.gp
Start 2486
GI none
Exons 2486..2847

Seq. ID OJ000208_28.0309.C5
Strand +
End 3986
Method AAT/GAP
End 2847
Score 667

Seq. No. 39392
Gene No. 81306
Start 320
Name OJ000208_28.0309.C5.o1.ts
Start 3380
GI none
Exons 3380..3493, 3381..3494, 3605..3694, 3606..3716

Seq. ID OJ000208_28.0309.C5
Strand +
End 3986
Method TBLASTX:Soybean
End 3716
Score 109

Seq. No. 39392
Gene No. 81306
Start 320
Name OJ000208_28.0309.C5.o2.tm
Start 3381
GI none
Exons 3381..3485, 3384..3494, 3395..3493, 3605..3748, 3606..3746

Seq. ID OJ000208_28.0309.C5
Strand +
End 3986
Method TBLASTX:Maize
End 3748
Score 153

Seq. No. 39392
Gene No. 81306
Start 320
Name OJ000208_28.0309.C5.o3.np
Start 3383
GI 6523066
Exons 3383..3491, 3606..3773
GI Descrip. (AL133314) putative protein [Arabidopsis thaliana]

Seq. ID OJ000208_28.0309.C5
Strand +
End 3986
Method AAT/NAP
End 3773
Score 170

Seq. No. 39392
Gene No. 81306
Start 320
Name OJ000208_28.0309.C5.o1.tc
Start 3402
GI none
Exons 3402..3494, 3606..3770

Seq. ID OJ000208_28.0309.C5
Strand +
End 3986
Method TBLASTX:Cress
End 3770
Score 73

Seq. No. 39393
Gene No. 81307
Start 526
Name OJ000208_28.0309.C6.o1.gs
Start 526
GI none
Exons 526..915, 1035..1133, 1609..1730, 2153..2230, 2275..2398, 3067..3138, 3258..3386, 4611..4754

Seq. ID OJ000208_28.0309.C6
Strand +
End 4795
Method GENSCAN
End 4754
Score .7

Seq. No. 39393
Gene No. 81307
Start 526

Seq. ID OJ000208_28.0309.C6
Strand +
End 4795

Name	OJ000208_28.0309.C6.o1.gp	Method	AAT/GAP
Start	670	End	2232
GI	LIB3434-038-P1-K1-C10	Score	461
Exons	670..744, 851..915, 1035..1133, 2183..2232		
GI Descrip.	'5730130/emb CAB52464.1 5.0e-14 (AL109796) putative protein [Arabidopsis thaliana]'		

Seq. No.	39393	Seq. ID	OJ000208_28.0309.C6
Gene No.	81307	Strand	+
Start	526	End	4795
Name	OJ000208_28.0309.C6.o1.tw	Method	TBLASTX:Wheat
Start	4631	End	4795
GI	none	Score	185
Exons	4631..4795, 4632..4769, 4639..4785		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81308	Strand	+
Start	1150	End	5611
Name	OJ000208_28.0309.C7.o1.gs	Method	GENSCAN
Start	1150	End	4311
GI	none	Score	.59
Exons	1150..1380, 1820..1881, 2363..2951, 3072..3485, 3790..4311		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81308	Strand	+
Start	1150	End	5611
Name	OJ000208_28.0309.C7.o1.np	Method	AAT/NAP
Start	2382	End	5608
GI	6907089	Score	4133
Exons	2382..3643, 3747..5608		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81308	Strand	+
Start	1150	End	5611
Name	OJ000208_28.0309.C7.o2.gs	Method	GENSCAN
Start	4378	End	5611
GI	none	Score	.61
Exons	4378..5219, 5290..5611		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o3.gs	Method	GENSCAN
Start	6230	End	10109
GI	none	Score	.62
Exons	6230..7447, 7526..9053, 9134..9858, 9876..10109		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o3.tm	Method	TBLASTX:Maize
Start	6230	End	6373
GI	none	Score	125
Exons	6230..6373, 6234..6368		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
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Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o2.np	Method	AAT/NAP
Start	6233	End	10127
GI	7228457	Score	4531
Exons	6233..7783, 7850..10127		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o4.tw	Method	TBLASTX:Wheat
Start	6242	End	6844
GI	none	Score	72
Exons	6242..6367, 6249..6368, 6555..6839, 6560..6844		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o1.tw	Method	TBLASTX:Wheat
Start	6845	End	7226
GI	none	Score	217
Exons	6845..7225, 6876..7226		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o1.tm	Method	TBLASTX:Maize
Start	7031	End	7363
GI	none	Score	84
Exons	7031..7243, 7040..7363, 7053..7319		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o6.tw	Method	TBLASTX:Wheat
Start	7565	End	7816
GI	none	Score	190
Exons	7565..7816		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o1.ts	Method	TBLASTX:Soybean
Start	7616	End	8182
GI	5666795	Score	68
Exons	7616..7816, 7871..8008, 8084..8182		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o2.tw	Method	TBLASTX:Wheat
Start	7871	End	8329
GI	none	Score	88

Exons 7871..8020, 7872..8009, 8064..8240, 8081..8305, 8108..8329

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o2.tm	Method	TBLASTX:Maize
Start	8684	End	9023
GI	none	Score	52
Exons	8684..8767, 8685..8723, 8786..9022, 8793..9023		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o3.tw	Method	TBLASTX:Wheat
Start	8687	End	9022
GI	none	Score	98
Exons	8687..9022, 8880..9020		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o5.tw	Method	TBLASTX:Wheat
Start	9022	End	9282
GI	none	Score	96
Exons	9022..9282, 9023..9214		

Seq. No.	39394	Seq. ID	OJ000208_28.0309.C7
Gene No.	81309	Strand	-
Start	6230	End	10127
Name	OJ000208_28.0309.C7.o7.tw	Method	TBLASTX:Wheat
Start	9894	End	10127
GI	none	Score	81
Exons	9894..10127, 9928..10083		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81310	Strand	+
Start	4234	End	10816
Name	OJ000208_28.0309.C8.o2.gs	Method	GENSCAN
Start	4234	End	10816
GI	none	Score	.46
Exons	4234..4357, 7510..8197, 9198..9502, 9580..10330, 10384..10816		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81310	Strand	+
Start	4234	End	10816
Name	OJ000208_28.0309.C8.o1.gp	Method	AAT/GAP
Start	6014	End	7687
GI	4878396	Score	424
Exons	6014..6061, 7510..7687		
GI Descrip.	5730130/emb CAB52464.1 5.0e-14 (AL109796) putative protein [Arabidopsis thaliana]		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81310	Strand	+
Start	4234	End	10816
Name	OJ000208_28.0309.C8.o2.np	Method	AAT/NAP
Start	7491	End	10813

GI 7486763 Score 1004
 Exons 7491..8197, 9198..10268, 10428..10813
 GI Descrip. hypothetical protein F9N11.50 - Arabidopsis thaliana
 gi|5730130|emb|CAB52464.1| (AL109796) putative protein
 [Arabidopsis thaliana] gi|7269920|emb|CAB81013.1| (AL161576)
 putative protein [Arabidopsis thaliana]

Seq. No. 39395 Seq. ID OJ000208_28.0309.C8
 Gene No. 81310 Strand +
 Start 4234 End 10816
 Name OJ000208_28.0309.C8.o2.gp Method AAT/GAP
 Start 9286 End 9851
 GI 6633_1.R1084 Score 900
 Exons 9286..9502, 9580..9851
 GI Descrip. '5730130/emb|CAB52464.1| 2.0e-12 (AL109796) putative protein
 [Arabidopsis thaliana]'

Seq. No. 39395 Seq. ID OJ000208_28.0309.C8
 Gene No. 81311 Strand +
 Start 10755 End 11270
 Name OJ000208_28.0309.C8.o3.gp Method AAT/GAP
 Start 10755 End 11270
 GI LIB3434-044-P1-K1-E8 Score 1009
 Exons 10755..11270
 GI Descrip. '3914598/sp|O24045|RBS_MUSAC 4.0e-19 RIBULOSE BISPHOSPHATE
 CARBOXYLASE SMALL CHAIN PRECURSOR (RUBISCO SMALL SUBUNIT)
 >gi 2258433 (AF008214) ribulose-1,5-bisphosphate carboxylase
 small subunit [Musa acuminata]'

Seq. No. 39395 Seq. ID OJ000208_28.0309.C8
 Gene No. 81312 Strand +
 Start 19817 End 20340
 Name OJ000208_28.0309.C8.o4.np Method AAT/NAP
 Start 19817 End 20340
 GI 7444451 Score 206
 Exons 19817..20340
 GI Descrip. probable gag/pol polyprotein - long-staminate rice
 retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725)
 retrofit [Oryza longistaminata]

Seq. No. 39395 Seq. ID OJ000208_28.0309.C8
 Gene No. 81313 Strand +
 Start 23522 End 24721
 Name OJ000208_28.0309.C8.o6.gs Method GENSCAN
 Start 23522 End 24721
 GI none Score .99
 Exons 23522..24721

Seq. No. 39395 Seq. ID OJ000208_28.0309.C8
 Gene No. 81314 Strand +
 Start 24973 End 28864
 Name OJ000208_28.0309.C8.o5.np Method AAT/NAP
 Start 24973 End 28864
 GI 3249105 Score 281
 Exons 24973..24997, 26537..26755, 26886..26949, 28845..28864
 GI Descrip. (AC003114) Contains similarity to protein phosphatase 2C (ABI1)
 gb|X78886 from A. thaliana. [Arabidopsis thaliana]

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81314	Strand	+
Start	24973	End	28864
Name	OJ000208_28.0309.C8.o5.gp	Method	AAT/GAP
Start	26457	End	26700
GI	2275945	Score	389
Exons	26457..26700		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81314	Strand	+
Start	24973	End	28864
Name	OJ000208_28.0309.C8.o6.gp	Method	AAT/GAP
Start	27600	End	28579
GI	none	Score	635
Exons	27600..27698, 27785..27912, 28075..28169, 28493..28579		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81315	Strand	+
Start	29664	End	29981
Name	OJ000208_28.0309.C8.o7.gp	Method	AAT/GAP
Start	29664	End	29981
GI	none	Score	498
Exons	29664..29981		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81316	Strand	-
Start	1	End	2550
Name	OJ000208_28.0309.C8.o1.np	Method	AAT/NAP
Start	1	End	733
GI	6721562	Score	881
Exons	1..733		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi 6815087 dbj BAA90373.1 (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81316	Strand	-
Start	1	End	2550
Name	OJ000208_28.0309.C8.o1.gs	Method	GENSCAN
Start	28	End	2550
GI	none	Score	.51
Exons	28..751, 805..1011, 1605..1676, 2527..2550		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81317	Strand	-
Start	12117	End	12973
Name	OJ000208_28.0309.C8.o3.gs	Method	GENSCAN
Start	12117	End	12973
GI	none	Score	.87
Exons	12117..12380, 12526..12657, 12818..12973		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81317	Strand	-
Start	12117	End	12973

Name	OJ000208_28.0309.C8.o4.gp	Method	AAT/GAP
Start	12202	End	12635
GI	2280664	Score	850
Exons	12202..12635		
GI Descrip.	3914598/sp O24045 RBS_MUSAC 4.0e-19 RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN PRECURSOR (RUBISCO SMALL SUBUNIT) >gi 2258433 (AF008214) ribulose-1,5-bisphosphate carboxylase small subunit [Musa acuminata]		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81318	Strand	-
Start	13171	End	18310
Name	OJ000208_28.0309.C8.o3.np	Method	AAT/NAP
Start	13171	End	18202
GI	4337196	Score	1058
Exons	13171..13268, 14418..15141, 15588..15866, 15963..16149, 16291..16979, 17109..17230, 17487..17533, 17949..18202		
GI Descrip.	(AC006403) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81318	Strand	-
Start	13171	End	18310
Name	OJ000208_28.0309.C8.o4.gs	Method	GENSCAN
Start	14190	End	18310
GI	none	Score	.93
Exons	14190..14264, 14401..15141, 15702..15851, 16281..16358, 17487..17608, 18013..18310		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o6.ts	Method	TBLASTX:Soybean
Start	7493	End	7721
GI	none	Score	212
Exons	7493..7717, 7509..7721		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o9.tm	Method	TBLASTX:Maize
Start	7508	End	7727
GI	none	Score	242
Exons	7508..7540, 7541..7714, 7551..7721, 7551..7727		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o6.tm	Method	TBLASTX:Maize
Start	7767	End	8045
GI	none	Score	136
Exons	7767..7874, 7768..7878, 7769..7918, 7860..7946, 7895..7948, 7955..8044, 7956..8045		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o5.ts	Method	TBLASTX:Soybean

Start	7923	End	9450
GI	none	Score	174
Exons	7923..8045, 7925..8044, 8055..8135, 8060..8134, 8144..8203, 8145..8198, 9201..9374, 9202..9378, 9375..9449, 9376..9450		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o4.tc	Method	TBLASTX:Cress
Start	8040	End	9884
GI	none	Score	86
Exons	8040..8135, 9184..9375, 9189..9269, 9288..9452, 9382..9483, 9597..9650, 9675..9884		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o4.tm	Method	TBLASTX:Maize
Start	9197	End	9649
GI	none	Score	288
Exons	9197..9469, 9201..9473, 9201..9476, 9202..9477, 9587..9649, 9588..9644		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o3.tm	Method	TBLASTX:Maize
Start	9880	End	10256
GI	none	Score	251
Exons	9880..10233, 9884..10063, 9888..10256, 9904..10137, 10065..10235, 10112..10252		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o2.tm	Method	TBLASTX:Maize
Start	10340	End	11091
GI	none	Score	568
Exons	10340..10771, 10345..10767, 10531..10773, 10786..10935, 10787..10930, 10788..10955, 10792..10956, 11062..11091		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o2.ts	Method	TBLASTX:Soybean
Start	10538	End	10821
GI	none	Score	322
Exons	10538..10816, 10540..10821, 10540..10812, 10562..10813		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o3.tc	Method	TBLASTX:Cress
Start	10538	End	10828
GI	none	Score	234
Exons	10538..10792, 10538..10654, 10561..10752, 10781..10828		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	12145	End	12640
GI	none	Score	150
Exons	12145..12381, 12165..12377, 12523..12636, 12524..12640, 12524..12637		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o4.ts	Method	TBLASTX:Soybean
Start	12160	End	12655
GI	none	Score	72
Exons	12160..12249, 12163..12234, 12165..12377, 12252..12314, 12295..12378, 12521..12655, 12529..12654		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o5.tc	Method	TBLASTX:Cress
Start	12160	End	12654
GI	none	Score	128
Exons	12160..12378, 12165..12377, 12535..12654		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o7.tm	Method	TBLASTX:Maize
Start	12160	End	12654
GI	none	Score	93
Exons	12160..12381, 12165..12377, 12481..12654		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o1.ts	Method	TBLASTX:Soybean
Start	14470	End	15003
GI	none	Score	143
Exons	14470..14790, 14830..15003		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	14473	End	15155
GI	none	Score	532
Exons	14473..15147, 14477..15142, 14644..15150, 14742..15155		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o2.tc	Method	TBLASTX:Cress
Start	14473	End	14827
GI	none	Score	107
Exons	14473..14718, 14477..14719, 14719..14814, 14720..14827		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o2.tw	Method	TBLASTX:Wheat
Start	14662	End	15003
GI	none	Score	59
Exons	14662..14790, 14702..14791, 14827..15003, 14846..14908		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o1.tc	Method	TBLASTX:Cress
Start	14875	End	15142
GI	none	Score	157
Exons	14875..15141, 14876..15142		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o10.tm	Method	TBLASTX:Maize
Start	15585	End	16361
GI	none	Score	69
Exons	15585..15770, 16266..16361		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81319	Strand	-
Start	21699	End	22742
Name	OJ000208_28.0309.C8.o5.gs	Method	GENSCAN
Start	21699	End	22742
GI	none	Score	.97
Exons	21699..22742		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81320	Strand	-
Start	24034	End	24565
Name	OJ000208_28.0309.C8.o8.tm	Method	TBLASTX:Maize
Start	24034	End	24565
GI	none	Score	243
Exons	24034..24321, 24035..24322, 24449..24565		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81321	Strand	-
Start	26536	End	26945
Name	OJ000208_28.0309.C8.o5.tm	Method	TBLASTX:Maize
Start	26536	End	26945
GI	none	Score	330
Exons	26536..26757, 26537..26758, 26737..26766, 26884..26943, 26884..26940, 26885..26941, 26886..26945		

Seq. No.	39395	Seq. ID	OJ000208_28.0309.C8
Gene No.	81321	Strand	-
Start	26536	End	26945
Name	OJ000208_28.0309.C8.o3.ts	Method	TBLASTX:Soybean
Start	26542	End	26924
GI	none	Score	281
Exons	26542..26757, 26543..26758, 26886..26924		

Seq. No. 39396
 Gene No. 81322
 Start 1
 Name OJ000208_28.0309.C9.o1.gp
 Start 1
 GI none
 Exons 1..96, 1166..1390

Seq. ID OJ000208_28.0309.C9
 Strand +
 End 1390
 Method AAT/GAP
 End 1390
 Score 622

Seq. No. 39396
 Gene No. 81322
 Start 1
 Name OJ000208_28.0309.C9.o1.gs
 Start 41
 GI none
 Exons 41..96, 702..786

Seq. ID OJ000208_28.0309.C9
 Strand +
 End 1390
 Method GENSCAN
 End 786
 Score .57

Seq. No. 39396
 Gene No. 81323
 Start 1459
 Name OJ000208_28.0309.C9.o2.gp
 Start 1459
 GI none
 Exons 1459..1559

Seq. ID OJ000208_28.0309.C9
 Strand -
 End 1559
 Method AAT/GAP
 End 1559
 Score 181

Seq. No. 39397
 Gene No. 81324
 Start 103
 Name OJ000208_28.0309.C10.o1.gp
 Start 103
 GI none
 Exons 103..178, 1728..1902, 2382..2751

Seq. ID OJ000208_28.0309.C10
 Strand +
 End 2751
 Method AAT/GAP
 End 2751
 Score 1103

Seq. No. 39397
 Gene No. 81325
 Start 2337
 Name OJ000208_28.0309.C10.o1.gs
 Start 2337
 GI none
 Exons 2337..2507, 4451..4498, 5051..5116, 5212..5383

Seq. ID OJ000208_28.0309.C10
 Strand -
 End 5772
 Method GENSCAN
 End 5383
 Score .49

Seq. No. 39397
 Gene No. 81325
 Start 2337
 Name OJ000208_28.0309.C10.o1.np
 Start 3390
 GI 585312
 Exons 3390..3529, 5571..5772

Seq. ID OJ000208_28.0309.C10
 Strand -
 End 5772
 Method AAT/NAP
 End 5772
 Score 152

GI Descrip. KETOL-ACID REDUCTOISOMERASE PRECURSOR (ACETOHYDROXY-ACID REDUCTOISOMERASE) (ALPHA-KETO-BETA-HYDROXYLACIL REDUCTOISOMERASE) gi|288063|emb|CAA48253.1| (X68150) ketol-acid reductoisomerase [Arabidopsis thaliana]

Seq. No. 39397
 Gene No. 81325
 Start 2337
 Name OJ000208_28.0309.C10.o1.ts

Seq. ID OJ000208_28.0309.C10
 Strand -
 End 5772
 Method TBLASTX:Soybean

Start	5561	End	5709
GI	none	Score	156
Exons	5561..5704, 5563..5709, 5564..5704, 5569..5709		

Seq. No.	39397	Seq. ID	OJ000208_28.0309.C10
Gene No.	81325	Strand	-
Start	2337	End	5772
Name	OJ000208_28.0309.C10.o1.tc	Method	TBLASTX:Cress
Start	5569	End	5709
GI	none	Score	172
Exons	5569..5709, 5570..5707		

Seq. No.	39397	Seq. ID	OJ000208_28.0309.C10
Gene No.	81325	Strand	-
Start	2337	End	5772
Name	OJ000208_28.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	5569	End	5709
GI	none	Score	200
Exons	5569..5709, 5570..5707		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81326	Strand	+
Start	1836	End	2102
Name	OJ000208_28.0309.C11.o1.gs	Method	GENSCAN
Start	1836	End	2102
GI	none	Score	.79
Exons	1836..2102		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81327	Strand	+
Start	4215	End	5348
Name	OJ000208_28.0309.C11.o2.np	Method	AAT/NAP
Start	4215	End	5348
GI	6478142	Score	122
Exons	4215..4329, 5040..5170, 5252..5348		
GI Descrip.	(AJ242801) putative translation initiation factor eIF-1 [Sporobolus stapfianus]		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81328	Strand	+
Start	12313	End	21624
Name	OJ000208_28.0309.C11.o3.gs	Method	GENSCAN
Start	12313	End	18377
GI	none	Score	.4
Exons	12313..12396, 14367..14377, 15352..15461, 15499..15598, 16293..16503, 16593..16813, 17061..17178, 17731..17985, 18357..18377		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81328	Strand	+
Start	12313	End	21624
Name	OJ000208_28.0309.C11.o3.np	Method	AAT/NAP
Start	16264	End	21590
GI	7484856	Score	1579
Exons	16264..16503, 16593..16805, 17084..17287, 17731..17985, 20884..21162, 21193..21590		
GI Descrip.	cellulase (EC 3.2.1.4) T21L14.7 - Arabidopsis thaliana		

gi|2702268|gb|AAB91971.1| (AC003033) putative glucanase
[Arabidopsis thaliana]

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81328	Strand	+
Start	12313	End	21624
Name	OJ000208_28.0309.C11.o4.gp	Method	AAT/GAP
Start	20822	End	21600
GI	66629_1.R1084	Score	1505
Exons	20822..21600		
GI Descrip.	'2702268 3.0e-58 (AC003033) putative cellulase [Arabidopsis thaliana]'		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81328	Strand	+
Start	12313	End	21624
Name	OJ000208_28.0309.C11.o4.gs	Method	GENSCAN
Start	20866	End	21624
GI	none	Score	.72
Exons	20866..21624		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81329	Strand	-
Start	1255	End	1631
Name	OJ000208_28.0309.C11.o1.np	Method	AAT/NAP
Start	1255	End	1631
GI	5731737	Score	86
Exons	1255..1382, 1470..1631		
GI Descrip.	(AB021878) similar to yeast sodium/proton exchanger [Oryza sativa]		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81330	Strand	-
Start	3045	End	7654
Name	OJ000208_28.0309.C11.o2.gs	Method	GENSCAN
Start	3045	End	7654
GI	none	Score	.78
Exons	3045..3116, 3144..3295, 4126..4265, 4494..4970, 7097..7233, 7331..7654		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81330	Strand	-
Start	3045	End	7654
Name	OJ000208_28.0309.C11.o1.gp	Method	AAT/GAP
Start	3783	End	4715
GI	23897_1.R1084	Score	1594
Exons	3783..4406, 4494..4715		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 5.0e-58 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81331	Strand	-
Start	7569	End	7915
Name	OJ000208_28.0309.C11.o2.gp	Method	AAT/GAP
Start	7569	End	7915
GI	none	Score	618
Exons	7569..7915		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81332	Strand	-
Start	10612	End	10710
Name	OJ000208_28.0309.C11.o3.gp	Method	AAT/GAP
Start	10612	End	10710
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	10612..10710		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o5.tm	Method	TBLASTX:Maize
Start	8906	End	9311
GI	none	Score	135
Exons	8906..9094, 9120..9311		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o6.tm	Method	TBLASTX:Maize
Start	9521	End	9790
GI	none	Score	77
Exons	9521..9790, 9642..9788		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o1.tc	Method	TBLASTX:Cress
Start	16375	End	21453
GI	none	Score	147
Exons	16375..16491, 16587..16694, 16592..16681, 16746..16808, 16799..16900, 17081..17239, 17794..17913, 20899..20970, 20998..21111, 21205..21285, 21213..21326, 21354..21452, 21367..21453		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o2.tm	Method	TBLASTX:Maize
Start	16378	End	17236
GI	none	Score	144
Exons	16378..16491, 16408..16491, 16592..16789, 16593..16808, 17081..17236		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o2.ts	Method	TBLASTX:Soybean
Start	16378	End	16694
GI	none	Score	191
Exons	16378..16500, 16395..16475, 16592..16681, 16593..16694		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
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Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o1.tw	Method	TBLASTX:Wheat
Start	16381	End	16765
GI	none	Score	121
Exons	16381..16497, 16599..16688, 16601..16672, 16727..16765, 16746..16763		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o3.ts	Method	TBLASTX:Soybean
Start	17093	End	17886
GI	none	Score	182
Exons	17093..17242, 17101..17178, 17728..17886		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o1.tm	Method	TBLASTX:Maize
Start	17719	End	17966
GI	none	Score	377
Exons	17719..17964, 17787..17966		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o1.ts	Method	TBLASTX:Soybean
Start	17890	End	21521
GI	none	Score	109
Exons	17890..17988, 20899..20985, 20916..20969, 20971..21135, 21003..21077, 21190..21447, 21207..21446, 21465..21521, 21467..21517		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o3.tm	Method	TBLASTX:Maize
Start	21001	End	21263
GI	none	Score	187
Exons	21001..21135, 21003..21080, 21187..21261, 21207..21263		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o4.tm	Method	TBLASTX:Maize
Start	21333	End	21542
GI	none	Score	183
Exons	21333..21455, 21340..21456, 21423..21542, 21465..21521		

Seq. No.	39398	Seq. ID	OJ000208_28.0309.C11
Gene No.	81333	Strand	-
Start	22296	End	22577
Name	OJ000208_28.0309.C11.o5.gs	Method	GENSCAN
Start	22296	End	22577
GI	none	Score	.72
Exons	22296..22577		

Seq. No.	39399	Seq. ID	OJ000208_28.0309.C12
Gene No.	81334	Strand	+
Start	402	End	2321
Name	OJ000208_28.0309.C12.o1.gs	Method	GENSCAN
Start	402	End	1970
GI	none	Score	.96
Exons	402..471, 510..566, 626..1181, 1486..1970		

Seq. No.	39399	Seq. ID	OJ000208_28.0309.C12
Gene No.	81334	Strand	+
Start	402	End	2321
Name	OJ000208_28.0309.C12.o1.np	Method	AAT/NAP
Start	528	End	2321
GI	7446408	Score	594
Exons	528..1160, 1475..1970, 2181..2321		
GI Descrip.	serine/threonine-specific protein kinase (EC 2.7.1.-) F27F23.1 - Arabidopsis thaliana gi 3135251 gb AAC16451.1 (AC003058) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	39399	Seq. ID	OJ000208_28.0309.C12
Gene No.	81334	Strand	+
Start	402	End	2321
Name	OJ000208_28.0309.C12.o1.tc	Method	TBLASTX:Cress
Start	624	End	2308
GI	none	Score	198
Exons	624..749, 625..840, 795..839, 841..1098, 843..1085, 1865..1969, 2158..2271, 2162..2305, 2186..2308		

Seq. No.	39399	Seq. ID	OJ000208_28.0309.C12
Gene No.	81334	Strand	+
Start	402	End	2321
Name	OJ000208_28.0309.C12.o1.ts	Method	TBLASTX:Soybean
Start	625	End	1053
GI	none	Score	45
Exons	625..648, 760..831, 841..951, 979..1053		

Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.np	Method	AAT/NAP
Start	1	End	2277
GI	7269844	Score	582
Exons	1..296, 454..649, 865..1040, 1404..1466, 1599..1785, 1929..2277		
GI Descrip.	(AL161575) serine/threonine-specific receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.gs	Method	GENSCAN
Start	133	End	2391
GI	none	Score	.75
Exons	133..296, 442..662, 914..1040, 1599..1785, 1929..2391		

Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+

Start	1	End	2391
Name	OJ000208_28.0309.C13.o2.tm	Method	TBLASTX:Maize
Start	468	End	955
GI	none	Score	185
Exons	468..665, 486..662, 524..664, 574..666, 902..955		
Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.tm	Method	TBLASTX:Maize
Start	956	End	2034
GI	none	Score	147
Exons	956..1039, 956..1039, 957..1043, 1334..1468, 1388..1468, 1597..1776, 1598..1819, 1926..1997, 1929..2033, 1930..2034		
Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.tc	Method	TBLASTX:Cress
Start	1597	End	2060
GI	none	Score	174
Exons	1597..1770, 1598..1813, 1930..2013, 1950..2060		
Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.ts	Method	TBLASTX:Soybean
Start	1597	End	2010
GI	none	Score	180
Exons	1597..1770, 1598..1813, 1930..2010, 1950..2006		
Seq. No.	39400	Seq. ID	OJ000208_28.0309.C13
Gene No.	81335	Strand	+
Start	1	End	2391
Name	OJ000208_28.0309.C13.o1.tw	Method	TBLASTX:Wheat
Start	1598	End	2019
GI	none	Score	186
Exons	1598..1786, 1930..2019, 1950..2018		
Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o2.tm	Method	TBLASTX:Maize
Start	392	End	695
GI	none	Score	155
Exons	392..679, 392..682, 402..683, 492..695, 589..690		
Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o2.ts	Method	TBLASTX:Soybean
Start	399	End	622
GI	none	Score	98
Exons	399..611, 401..622, 494..622		
Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-

Start	404	End	2240
Name	OJ000208_28.0309.C14.o1.tc	Method	TBLASTX:Cress
Start	401	End	940
GI	none	Score	137
Exons	401..667, 401..928, 402..926, 782..940		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o1.np	Method	AAT/NAP
Start	404	End	2240
GI	4587589	Score	1223
Exons	404..2240		
GI Descrip.	(AC007232) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o1.ts	Method	TBLASTX:Soybean
Start	626	End	1162
GI	none	Score	67
Exons	626..1162, 627..761, 707..1033, 921..1127		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	704	End	2197
GI	none	Score	210
Exons	704..1360, 804..1307, 1161..1379, 1175..1333, 1208..1366, 1232..1351, 1373..1510, 1373..1501, 1619..2023, 1620..1967, 1691..1942, 1701..1901, 1829..2104, 1830..2102, 1928..2101, 1940..2101, 2033..2197, 2033..2191, 2034..2174, 2069..2191		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o2.tc	Method	TBLASTX:Cress
Start	1016	End	2233
GI	none	Score	57
Exons	1016..1117, 1016..1120, 1121..1243, 1125..1244, 1226..1357, 1241..1363, 1253..1351, 1352..1888, 1352..1501, 1385..1459, 1634..1852, 1637..1792, 1637..2170, 1961..2101, 1973..2062, 2033..2233, 2033..2194		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240
Name	OJ000208_28.0309.C14.o1.tw	Method	TBLASTX:Wheat
Start	1095	End	2233
GI	none	Score	126
Exons	1095..1319, 1100..1363, 1160..1276, 1361..1567, 1637..1963, 1698..1922, 1856..2113, 2033..2233, 2046..2195		

Seq. No.	39401	Seq. ID	OJ000208_28.0309.C14
Gene No.	81336	Strand	-
Start	404	End	2240

Name	OJ000208_28.0309.C14.o3.ts	Method	TBLASTX:Soybean
Start	1175	End	2170
GI	none	Score	75
Exons	1175..1360, 1694..2071, 1851..2072, 2033..2170, 2034..2168		
Seq. No.	39402	Seq. ID	OJ000208_28.0309.C15
Gene No.	81337	Strand	-
Start	1	End	2055
Name	OJ000208_28.0309.C15.o1.np	Method	AAT/NAP
Start	1	End	2055
GI	7485810	Score	381
Exons	1..645, 2026..2055		
GI Descrip.	hypothetical protein F19I3.26 - Arabidopsis thaliana gi 3033399 gb AAC1284... protein [Arabidopsis thaliana]		
Seq. No.	39402	Seq. ID	OJ000208_28.0309.C15
Gene No.	81337	Strand	-
Start	1	End	2055
Name	OJ000208_28.0309.C15.o1.gs	Method	GENSCAN
Start	6		
GI	none		
Exons	6..734		
Seq. No.	39402	Seq. ID	OJ000208_28.0309.C15
Gene No.	81338	Strand	-
Start	3874	End	4788
Name	OJ000208_28.0309.C15.o1.tm	Method	TBLASTX:Maize
Start	72	End	644
GI	none	Score	160
Exons	72..347, 73..402, 124..348, 132..413, 132..266, 159..545, 252..599, 253..402, 345..644, 441..569, 447..569, 450..587		
Seq. No.	39402	Seq. ID	OJ000208_28.0309.C15
Gene No.	81338	Strand	-
Start	3874	End	4788
Name	OJ000208_28.0309.C15.o2.gs	Method	GENSCAN
Start	3874	End	4788
GI	none	Score	.6
Exons	3874..3905, 4782..4788		
Seq. No.	39403	Seq. ID	OJ000208_28.0309.C16
Gene No.	81339	Strand	+
Start	1	End	2407
Name	OJ000208_28.0309.C16.o1.gp	Method	AAT/GAP
Start	1	End	710
GI	none	Score	612
Exons	1..128, 505..710		
Seq. No.	39403	Seq. ID	OJ000208_28.0309.C16
Gene No.	81339	Strand	+
Start	1	End	2407
Name	OJ000208_28.0309.C16.o1.gs	Method	GENSCAN
Start	85	End	2407
GI	none	Score	.53
Exons	85..128, 2278..2407		

Seq. No.	39403	Seq. ID	OJ000208_28.0309.C16
Gene No.	81340	Strand	-
Start	2219	End	2638
Name	OJ000208_28.0309.C16.o1.tm	Method	TBLASTX:Maize
Start	2215	End	2410
GI	none	Score	162
Exons	2215..2403, 2217..2402, 2233..2406, 2264..2410		

Seq. No.	39403	Seq. ID	OJ000208_28.0309.C16
Gene No.	81340	Strand	-
Start	2219	End	2638
Name	OJ000208_28.0309.C16.o1.tc	Method	TBLASTX:Cress
Start	2217	End	2410
GI	none	Score	101
Exons	2217..2390, 2264..2410, 2289..2375		

Seq. No.	39403	Seq. ID	OJ000208_28.0309.C16
Gene No.	81340	Strand	-
Start	2219	End	2638
Name	OJ000208_28.0309.C16.o1.ts	Method	TBLASTX:Soybean
Start	2217	End	2410
GI	none	Score	110
Exons	2217..2399, 2264..2410, 2282..2350, 2292..2375, 2302..2400		

Seq. No.	39403	Seq. ID	OJ000208_28.0309.C16
Gene No.	81340	Strand	-
Start	2219	End	2638
Name	OJ000208_28.0309.C16.o1.np	Method	AAT/NAP
Start	2219	End	2638
GI	6942045	Score	312
Exons	2219..2638		
GI Descrip.	(AF216525) FKF1-like protein 2 [Arabidopsis thaliana]		

Seq. No.	39404	Seq. ID	OJ000208_21.0330.C3
Gene No.	81341	Strand	-
Start	170	End	3048
Name	OJ000208_21.0330.C3.o1.np	Method	AAT/NAP
Start	170	End	3048
GI	4680183	Score	194
Exons	170..259, 866..936, 1399..1463, 3010..3048		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39405	Seq. ID	OJ000208_21.0330.C4
Gene No.	81342	Strand	+
Start	568	End	2551
Name	OJ000208_21.0330.C4.o1.gs	Method	GENSCAN
Start	568	End	2551
GI	none	Score	.67
Exons	568..733, 1608..1741, 2255..2551		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81343	Strand	+
Start	5387	End	13054
Name	OJ000208_21.0330.C5.o1.np	Method	AAT/NAP
Start	5387	End	10031
GI	5852181	Score	99
Exons	5387..5410, 8631..8754, 9956..10031		

GI Descrip. (AL117265) zhb0011.1 [Oryza sativa]

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81343	Strand	+
Start	5387	End	13054
Name	OJ000208_21.0330.C5.o3.gs	Method	GENSCAN
Start	9506	End	10291
GI	none	Score	.73
Exons	9506..9699, 10015..10291		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81343	Strand	+
Start	5387	End	13054
Name	OJ000208_21.0330.C5.o2.np	Method	AAT/NAP
Start	9554	End	13054
GI	5295951	Score	190
Exons	9554..9781, 9937..10117, 10163..10297, 13035..13054		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81344	Strand	+
Start	20370	End	23317
Name	OJ000208_21.0330.C5.o5.gs	Method	GENSCAN
Start	20370	End	23317
GI	none	Score	.45
Exons	20370..20953, 21680..21738, 23238..23317		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81345	Strand	+
Start	27279	End	36386
Name	OJ000208_21.0330.C5.o7.gs	Method	GENSCAN
Start	27279	End	36386
GI	none	Score	.48
Exons	27279..28066, 28097..29021, 29255..31374, 31570..31800, 33708..33801, 33834..34022, 34172..34219, 34252..34328, 34499..34561, 35218..35354, 36355..36386		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81345	Strand	+
Start	27279	End	36386
Name	OJ000208_21.0330.C5.o4.np	Method	AAT/NAP
Start	27343	End	32941
GI	4512618	Score	2035
Exons	27343..28002, 28090..28211, 28319..29921, 30129..31774, 32874..32941		
GI Descrip.	(AC004793) Strong similarity to gi 3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb AF080119 and is a member of the reverse transcriptase family PF 00078.		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81346	Strand	-
Start	7143	End	8780
Name	OJ000208_21.0330.C5.o2.gs	Method	GENSCAN
Start	7143	End	8780
GI	none	Score	.94
Exons	7143..7360, 7592..7772, 7915..8067, 8676..8780		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81347	Strand	-
Start	10800	End	20162
Name	OJ000208_21.0330.C5.o4.gs	Method	GENSCAN
Start	10800	End	20162
GI	none	Score	.74
Exons	10800..11034, 12020..12309, 14048..14145, 15172..15294, 16959..17246, 17644..17691, 17786..17866, 18855..19050, 19863..20162		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81347	Strand	-
Start	10800	End	20162
Name	OJ000208_21.0330.C5.o3.np	Method	AAT/NAP
Start	14066	End	19865
GI	6522532	Score	257
Exons	14066..14141, 15168..15294, 16959..17178, 19825..19865		
GI Descrip.	(AL132955) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81347	Strand	-
Start	10800	End	20162
Name	OJ000208_21.0330.C5.o1.gp	Method	AAT/GAP
Start	14097	End	17251
GI	none	Score	879
Exons	14097..14145, 15172..15294, 16959..17251		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-
Start	23841	End	25332
Name	OJ000208_21.0330.C5.o4.tm	Method	TBLASTX:Maize
Start	13980	End	17211
GI	none	Score	133
Exons	13980..14129, 13988..14149, 13992..14102, 13993..14145, 15155..15295, 15156..15296, 15156..15296, 16957..16977, 16978..17172, 16979..17155, 17155..17187, 17187..17210, 17191..17211		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-
Start	23841	End	25332
Name	OJ000208_21.0330.C5.o6.tc	Method	TBLASTX:Cress
Start	14009	End	14149
GI	none	Score	92
Exons	14009..14149, 14010..14099		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-
Start	23841	End	25332
Name	OJ000208_21.0330.C5.o4.tc	Method	TBLASTX:Cress
Start	15155	End	17146
GI	none	Score	87
Exons	15155..15304, 16957..17136, 16958..17146		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81348	Strand	-

Start 23841
 Name OJ000208_21.0330.C5.o3.ts
 Start 16957
 GI none
 Exons 16957..17145, 16958..17137

End 25332
 Method TBLASTX:Soybean
 End 17145
 Score 172

Seq. No. 39406
 Gene No. 81348
 Start 23841
 Name OJ000208_21.0330.C5.o10.tm
 Start 18946
 GI none
 Exons 18946..19113, 19204..19296

Seq. ID OJ000208_21.0330.C5
 Strand -
 End 25332
 Method TBLASTX:Maize
 End 19296
 Score 117

Seq. No. 39406
 Gene No. 81348
 Start 23841
 Name OJ000208_21.0330.C5.o8.tm
 Start 19495
 GI none
 Exons 19495..19740, 19510..19719, 19613..19729, 19759..19806, 19760..19795

Seq. ID OJ000208_21.0330.C5
 Strand -
 End 25332
 Method TBLASTX:Maize
 End 19806
 Score 119

Seq. No. 39406
 Gene No. 81348
 Start 23841
 Name OJ000208_21.0330.C5.o2.gp
 Start 23841
 GI 20774_1.R1084
 Exons 23841..24195, 24516..24708, 24963..25332
 GI Descrip. '1323742 6.0e-24 (U32427) unknown [Triticum aestivum]'

Seq. ID OJ000208_21.0330.C5
 Strand -
 End 25332
 Method AAT/GAP
 End 25332
 Score 1698

Seq. No. 39406
 Gene No. 81348
 Start 23841
 Name OJ000208_21.0330.C5.o6.gs
 Start 24295
 GI none
 Exons 24295..24303, 24516..24708, 24963..25078

Seq. ID OJ000208_21.0330.C5
 Strand -
 End 25332
 Method GENSCAN
 End 25078
 Score .4

Seq. No. 39406
 Gene No. 81349
 Start 27621
 Name OJ000208_21.0330.C5.o9.tm
 Start 27621
 GI none
 Exons 27621..27923, 27621..27821, 27854..27919

Seq. ID OJ000208_21.0330.C5
 Strand -
 End 27923
 Method TBLASTX:Maize
 End 27923
 Score 194

Seq. No. 39406
 Gene No. 81350
 Start 28572
 Name OJ000208_21.0330.C5.o4.tw
 Start 28572
 GI none
 Exons 28572..28757, 28632..28775, 28832..28867, 28833..28874, 28905..29021, 28907..29020

Seq. ID OJ000208_21.0330.C5
 Strand -
 End 29117
 Method TBLASTX:Wheat
 End 29021
 Score 119

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81350	Strand	
Start	28572	End	29117
Name	OJ000208_21.0330.C5.o6.tm	Method	TBLASTX:Maize
Start	28593	End	28925
GI	none	Score	213
Exons	28593..28754, 28596..28784, 28784..28807, 28815..28925, 28832..28858		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81350	Strand	
Start	28572	End	29117
Name	OJ000208_21.0330.C5.o3.tc	Method	TBLASTX:Cress
Start	28824	End	29117
GI	none	Score	182
Exons	28824..29027, 29031..29117		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81351	Strand	
Start	29207	End	29716
Name	OJ000208_21.0330.C5.o3.tm	Method	TBLASTX:Maize
Start	29207	End	29667
GI	none	Score	80
Exons	29207..29290, 29211..29291, 29294..29665, 29314..29457, 29476..29667		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81351	Strand	
Start	29207	End	29716
Name	OJ000208_21.0330.C5.o4.ts	Method	TBLASTX:Soybean
Start	29273	End	29674
GI	none	Score	256
Exons	29273..29674		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81351	Strand	
Start	29207	End	29716
Name	OJ000208_21.0330.C5.o1.tc	Method	TBLASTX:Cress
Start	29297	End	29697
GI	none	Score	336
Exons	29297..29692, 29476..29523, 29551..29697		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81351	Strand	
Start	29207	End	29716
Name	OJ000208_21.0330.C5.o2.tw	Method	TBLASTX:Wheat
Start	29342	End	29716
GI	none	Score	343
Exons	29342..29716, 29344..29685		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o2.ts	Method	TBLASTX:Soybean
Start	30257	End	30751
GI	5509260	Score	418
Exons	30257..30751, 30274..30528, 30580..30735		

GI Descrip. -

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o7.tm	Method	TBLASTX:Maize
Start	30301	End	30547
GI	none	Score	257
Exons	30301..30453, 30302..30547, 30306..30503		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o2.tc	Method	TBLASTX:Cress
Start	30359	End	30640
GI	none	Score	252
Exons	30359..30640, 30409..30507		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o1.tw	Method	TBLASTX:Wheat
Start	30422	End	31120
GI	none	Score	295
Exons	30422..30766, 30439..30762, 30752..30967, 30760..30954, 30965..31120		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o1.tm	Method	TBLASTX:Maize
Start	30553	End	31000
GI	none	Score	494
Exons	30553..30741, 30554..31000, 30760..30987		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81352	Strand	
Start	30257	End	31120
Name	OJ000208_21.0330.C5.o5.tc	Method	TBLASTX:Cress
Start	30812	End	31105
GI	none	Score	200
Exons	30812..31105		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81353	Strand	
Start	31052	End	31803
Name	OJ000208_21.0330.C5.o2.tm	Method	TBLASTX:Maize
Start	31052	End	31435
GI	none	Score	463
Exons	31052..31435, 31054..31116, 31165..31419, 31305..31421		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81353	Strand	
Start	31052	End	31803
Name	OJ000208_21.0330.C5.o3.tw	Method	TBLASTX:Wheat
Start	31121	End	31366
GI	none	Score	235

Exons 31121..31366

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81353	Strand	
Start	31052	End	31803
Name	OJ000208_21.0330.C5.o1.ts	Method	TBLASTX:Soybean
Start	31130	End	31726
GI	none	Score	114
Exons	31130..31264, 31165..31248, 31313..31498, 31317..31457, 31324..31488, 31531..31725, 31550..31726		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81353	Strand	
Start	31052	End	31803
Name	OJ000208_21.0330.C5.o5.tm	Method	TBLASTX:Maize
Start	31543	End	31771
GI	none	Score	286
Exons	31543..31770, 31544..31771		

Seq. No.	39406	Seq. ID	OJ000208_21.0330.C5
Gene No.	81353	Strand	
Start	31052	End	31803
Name	OJ000208_21.0330.C5.o5.tw	Method	TBLASTX:Wheat
Start	31592	End	31803
GI	none	Score	186
Exons	31592..31768, 31609..31803		

Seq. No.	39407	Seq. ID	OJ000208_21.0330.C6
Gene No.	81354	Strand	+
Start	8	End	6730
Name	OJ000208_21.0330.C6.o1.gs	Method	GENSCAN
Start	8	End	6652
GI	none	Score	.66
Exons	8..58, 283..414, 942..986, 1650..1759, 4259..4429, 5838..6317, 6521..6652		

Seq. No.	39407	Seq. ID	OJ000208_21.0330.C6
Gene No.	81354	Strand	+
Start	8	End	6730
Name	OJ000208_21.0330.C6.o1.np	Method	AAT/NAP
Start	4572	End	6730
GI	4680203	Score	302
Exons	4572..4650, 5834..6730		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39407	Seq. ID	OJ000208_21.0330.C6
Gene No.	81354	Strand	+
Start	8	End	6730
Name	OJ000208_21.0330.C6.o2.np	Method	AAT/NAP
Start	6352	End	6730
GI	99922	Score	301
Exons	6352..6730		
GI Descrip.	hypothetical protein - soybean gi 930025 emb CAA31883 (X13528) ORF (334 AA) [Glycine max]		

Seq. No.	39407	Seq. ID	OJ000208_21.0330.C6
Gene No.	81354	Strand	+

Start	8	End	6730
Name	OJ000208_21.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	6444	End	6725
GI	none	Score	137
Exons	6444..6575, 6452..6595, 6620..6724, 6624..6725		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81355	Strand	+
Start	1	End	8342
Name	OJ000208_21.0330.C7.o1.np	Method	AAT/NAP
Start	1	End	3214
GI	4680203	Score	872
Exons	1..401, 444..543, 708..929, 1204..1956, 3134..3214		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81355	Strand	+
Start	1	End	8342
Name	OJ000208_21.0330.C7.o1.gs	Method	GENSCAN
Start	35	End	1186
GI	none	Score	.41
Exons	35..167, 223..597, 735..1186		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81355	Strand	+
Start	1	End	8342
Name	OJ000208_21.0330.C7.o2.np	Method	AAT/NAP
Start	3105	End	8342
GI	4680204	Score	228
Exons	3105..3151, 4467..5221, 8312..8342		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81355	Strand	+
Start	1	End	8342
Name	OJ000208_21.0330.C7.o3.gs	Method	GENSCAN
Start	3908	End	7490
GI	none	Score	.75
Exons	3908..4177, 4254..4402, 4676..5132, 5199..5789, 5814..6323, 6516..6658, 6734..6844, 6932..7010, 7305..7490		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81356	Strand	+
Start	8535	End	18477
Name	OJ000208_21.0330.C7.o1.gp	Method	AAT/GAP
Start	8375	End	9923
GI	18268_1.R1084	Score	1833
Exons	8375..8848, 9006..9201, 9604..9923		
GI Descrip.	'1323742 3.0e-26 (U32427) unknown [Triticum aestivum]'		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81356	Strand	+
Start	8535	End	18477
Name	OJ000208_21.0330.C7.o4.gs	Method	GENSCAN
Start	8535	End	15881
GI	none	Score	.54
Exons	8535..8848, 9006..9201, 10764..10815, 11000..11150,		

11984..12074, 12208..12361, 13221..13347, 14087..14281,
15010..15262, 15316..15502, 15784..15881

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81356	Strand	+
Start	8535	End	18477
Name	OJ000208_21.0330.C7.o3.np	Method	AAT/NAP
Start	8542	End	9113
GI	7489383	Score	150
Exons	8542..8848, 9006..9113		
GI Descrip.	jacalin homolog - barley gi 1167955 gb AAA87042.1 (U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi 2465428 gb AAB72097.1 (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81356	Strand	+
Start	8535	End	18477
Name	OJ000208_21.0330.C7.o4.np	Method	AAT/NAP
Start	11966	End	18477
GI	6815109	Score	1058
Exons	11966..12133, 14120..14281, 17341..18477		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81357	Strand	-
Start	1387	End	3142
Name	OJ000208_21.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	797	End	1180
GI	none	Score	59
Exons	797..865, 865..1176, 866..1180, 866..1177		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81357	Strand	-
Start	1387	End	3142
Name	OJ000208_21.0330.C7.o1.tw	Method	TBLASTX:Wheat
Start	821	End	2028
GI	none	Score	303
Exons	821..1177, 946..1005, 1066..1158, 1134..1349, 1177..1575, 1396..1533, 1555..1743, 1581..1727, 1732..1836, 1735..1818, 1849..1947, 1912..1947, 1960..2028, 1968..2027		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81357	Strand	-
Start	1387	End	3142
Name	OJ000208_21.0330.C7.o1.tc	Method	TBLASTX:Cress
Start	1112	End	1536
GI	none	Score	67
Exons	1112..1177, 1134..1349, 1177..1536, 1396..1533		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81357	Strand	-
Start	1387	End	3142
Name	OJ000208_21.0330.C7.o2.gs	Method	GENSCAN
Start	1387	End	3142
GI	none	Score	.71
Exons	1387..1465, 1485..1549, 1744..1948, 3081..3142		

Seq. No.	39408	Seq. ID	OJ000208_21.0330.C7
Gene No.	81357	Strand	-
Start	1387	End	3142
Name	OJ000208_21.0330.C7.o2.tm	Method	TBLASTX:Maize
Start	1429	End	1724
GI	none	Score	151
Exons	1429..1599, 1603..1719, 1623..1724		

Seq. No.	39409	Seq. ID	OJ000208_21.0330.C9
Gene No.	81358	Strand	+
Start	1	End	2335
Name	OJ000208_21.0330.C9.o1.np	Method	AAT/NAP
Start	1	End	635
GI	4680203	Score	377
Exons	1..635		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39409	Seq. ID	OJ000208_21.0330.C9
Gene No.	81358	Strand	+
Start	1	End	2335
Name	OJ000208_21.0330.C9.o1.gs	Method	GENSCAN
Start	188	End	2335
GI	none	Score	.57
Exons	188..548, 699..886, 1141..1425, 1507..2047, 2266..2335		

Seq. No.	39409	Seq. ID	OJ000208_21.0330.C9
Gene No.	81358	Strand	+
Start	1	End	2335
Name	OJ000208_21.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	265	End	583
GI	none	Score	308
Exons	265..288, 290..568, 292..558, 323..583, 345..569		

Seq. No.	39409	Seq. ID	OJ000208_21.0330.C9
Gene No.	81358	Strand	+
Start	1	End	2335
Name	OJ000208_21.0330.C9.o1.tw	Method	TBLASTX:Wheat
Start	272	End	535
GI	none	Score	245
Exons	272..535, 313..507		

Seq. No.	39410	Seq. ID	OJ000208_21.0330.C10
Gene No.	81359	Strand	+
Start	482	End	794
Name	OJ000208_21.0330.C10.o1.gp	Method	AAT/GAP
Start	482	End	794
GI	77434_1.R1084	Score	88
Exons	482..502, 740..794		
GI Descrip.	'2827528/emb CAA16536.1 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	39411	Seq. ID	OJ000208_21.0330.C11
Gene No.	81360	Strand	
Start	15	End	312
Name	OJ000208_21.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	15	End	312

GI	none	Score	119
Exons	15..305, 16..312		
Seq. No.	39411	Seq. ID	OJ000208_21.0330.C11
Gene No.	81361	Strand	
Start	314	End	736
Name	OJ000208_21.0330.C11.o2.tw	Method	TBLASTX:Wheat
Start	314	End	535
GI	none	Score	72
Exons	314..535, 342..533		
Seq. No.	39411	Seq. ID	OJ000208_21.0330.C11
Gene No.	81361	Strand	
Start	314	End	736
Name	OJ000208_21.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	362	End	736
GI	none	Score	111
Exons	362..700, 366..680, 697..735, 704..736		
Seq. No.	39412	Seq. ID	OJ000208_21.0330.C13
Gene No.	81362	Strand	+
Start	1875	End	1977
Name	OJ000208_21.0330.C13.o2.np	Method	AAT/NAP
Start	1875	End	1977
GI	7340860	Score	98
Exons	1875..1977		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	39412	Seq. ID	OJ000208_21.0330.C13
Gene No.	81363	Strand	-
Start	1	End	375
Name	OJ000208_21.0330.C13.o1.np	Method	AAT/NAP
Start	1	End	375
GI	2213608	Score	80
Exons	1..375		
GI Descrip.	(AC000103) F21J9.2 [Arabidopsis thaliana]		
Seq. No.	39412	Seq. ID	OJ000208_21.0330.C13
Gene No.	81364	Strand	-
Start	927	End	2087
Name	OJ000208_21.0330.C13.o1.tw	Method	TBLASTX:Wheat
Start	3	End	347
GI	none	Score	289
Exons	3..347		
Seq. No.	39412	Seq. ID	OJ000208_21.0330.C13
Gene No.	81364	Strand	-
Start	927	End	2087
Name	OJ000208_21.0330.C13.o1.tm	Method	TBLASTX:Maize
Start	15	End	458
GI	none	Score	192
Exons	15..458		
Seq. No.	39412	Seq. ID	OJ000208_21.0330.C13
Gene No.	81364	Strand	-
Start	927	End	2087

Name	OJ000208_21.0330.C13.o1.gs	Method	GENSCAN
Start	927	End	2087
GI	none	Score	.43
Exons	927..988, 1134..1322, 1949..2087		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.o1.np	Method	AAT/NAP
Start	1	End	805
GI	6522592	Score	501
Exons	1..805		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.o1.tc	Method	TBLASTX:Cress
Start	2	End	805
GI	none	Score	65
Exons	2..211, 2..211, 2..226, 2..235, 3..188, 8..157, 9..155, 29..211, 83..220, 224..307, 239..319, 248..316, 305..505, 311..529, 338..541, 338..541, 338..448, 411..506, 413..505, 545..805, 545..739, 548..799, 557..796, 630..800, 692..805, 701..796		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.o1.ts	Method	TBLASTX:Soybean
Start	2	End	805
GI	none	Score	54
Exons	2..151, 2..88, 12..128, 29..301, 47..220, 299..541, 305..460, 308..493, 311..538, 335..541, 348..788, 353..805, 557..805		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.o1.tm	Method	TBLASTX:Maize
Start	2	End	640
GI	none	Score	59
Exons	2..211, 29..304, 47..220, 75..185, 311..532, 332..532, 338..640		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.o1.tw	Method	TBLASTX:Wheat
Start	2	End	391
GI	none	Score	227
Exons	2..391		

Seq. No.	39413	Seq. ID	OJ000208_21.0330.C14
Gene No.	81365	Strand	-
Start	1	End	805
Name	OJ000208_21.0330.C14.o1.gs	Method	GENSCAN
Start	127	End	757
GI	none	Score	.64

Exons 127..757

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81366	Strand	+
Start	1	End	5656
Name	OJ000208_21.0330.C15.o2.np	Method	AAT/NAP
Start	1	End	3828
GI	5852181	Score	107
Exons	1..31, 2384..2634, 3748..3828		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81366	Strand	+
Start	1	End	5656
Name	OJ000208_21.0330.C15.o1.gs	Method	GENSCAN
Start	137	End	1458
GI	none	Score	.69
Exons	137..232, 416..441, 1323..1458		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81366	Strand	+
Start	1	End	5656
Name	OJ000208_21.0330.C15.o3.np	Method	AAT/NAP
Start	615	End	5656
GI	6691191	Score	633
Exons	615..653, 4183..4918, 5638..5656		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81366	Strand	+
Start	1	End	5656
Name	OJ000208_21.0330.C15.o2.gs	Method	GENSCAN
Start	3284	End	5637
GI	none	Score	.83
Exons	3284..3694, 3744..4020, 4284..4586, 5522..5637		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81367	Strand	-
Start	1	End	460
Name	OJ000208_21.0330.C15.o1.np	Method	AAT/NAP
Start	1	End	460
GI	7434424	Score	199
Exons	1..460		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) A1, receptor type - long-staminate rice gi 2586083 gb AAB82755.1 (U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81368	Strand	-
Start	5029	End	5656
Name	OJ000208_21.0330.C15.o1.tc	Method	TBLASTX:Cress
Start	2	End	271
GI	none	Score	103
Exons	2..196, 5..271, 18..260		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81368	Strand	-

Start	5029	End	5656
Name	OJ000208_21.0330.C15.o2.ts	Method	TBLASTX:Soybean
Start	17	End	358
GI	none	Score	60
Exons	17..229, 53..223, 102..230, 245..358		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81368	Strand	-
Start	5029	End	5656
Name	OJ000208_21.0330.C15.o1.ts	Method	TBLASTX:Soybean
Start	4400	End	4824
GI	none	Score	212
Exons	4400..4624, 4426..4578, 4615..4824, 4645..4809		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81368	Strand	-
Start	5029	End	5656
Name	OJ000208_21.0330.C15.o1.tw	Method	TBLASTX:Wheat
Start	4400	End	4803
GI	none	Score	164
Exons	4400..4624, 4417..4578, 4618..4803, 4620..4700		

Seq. No.	39414	Seq. ID	OJ000208_21.0330.C15
Gene No.	81368	Strand	-
Start	5029	End	5656
Name	OJ000208_21.0330.C15.o4.np	Method	AAT/NAP
Start	5029	End	5656
GI	4539658	Score	165
Exons	5029..5207, 5249..5312, 5371..5656		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81369	Strand	+
Start	1	End	4945
Name	OJ000208_21.0330.C16.o2.np	Method	AAT/NAP
Start	1	End	4945
GI	6063554	Score	320
Exons	1..23, 3233..3438, 4106..4136, 4772..4945		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81369	Strand	+
Start	1	End	4945
Name	OJ000208_21.0330.C16.o1.gs	Method	GENSCAN
Start	939	End	2054
GI	none	Score	.77
Exons	939..2054		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81369	Strand	+
Start	1	End	4945
Name	OJ000208_21.0330.C16.o1.np	Method	AAT/NAP
Start	939	End	1982
GI	6983860	Score	1004

Exons 939..1982
 GI Descrip. (AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]

Seq. No. 39415 Seq. ID OJ000208_21.0330.C16
 Gene No. 81370 Strand +
 Start 5434 End 7742
 Name OJ000208_21.0330.C16.o3.gs Method GENSCAN
 Start 5434 End 7166
 GI none Score .63
 Exons 5434..5455, 5740..5922, 5928..6074, 6087..6224, 6319..6400, 6610..6832, 6858..7166

Seq. No. 39415 Seq. ID OJ000208_21.0330.C16
 Gene No. 81370 Strand +
 Start 5434 End 7742
 Name OJ000208_21.0330.C16.o3.np Method AAT/NAP
 Start 5586 End 7742
 GI 6691191 Score 1855
 Exons 5586..7742
 GI Descrip. (AC007534) F7F22.15 [Arabidopsis thaliana]

Seq. No. 39415 Seq. ID OJ000208_21.0330.C16
 Gene No. 81371 Strand -
 Start 101 End 378
 Name OJ000208_21.0330.C16.o1.gp Method AAT/GAP
 Start 101 End 378
 GI 61605_1.R1084 Score 475
 Exons 101..378
 GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 39415 Seq. ID OJ000208_21.0330.C16
 Gene No. 81372 Strand -
 Start 1033 End 1520
 Name OJ000208_21.0330.C16.o2.gp Method AAT/GAP
 Start 1033 End 1520
 GI uC-osflcyp162a07a1 Score 675
 Exons 1033..1264, 1364..1520
 GI Descrip. '4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'

Seq. No. 39415 Seq. ID OJ000208_21.0330.C16
 Gene No. 81373 Strand -
 Start 3030 End 3581
 Name OJ000208_21.0330.C16.o5.tw Method TBLASTX:Wheat
 Start 1101 End 1457
 GI none Score 289
 Exons 1101..1457, 1109..1279, 1316..1456

Seq. No. 39415 Seq. ID OJ000208_21.0330.C16
 Gene No. 81373 Strand -
 Start 3030 End 3581
 Name OJ000208_21.0330.C16.o2.tm Method TBLASTX:Maize
 Start 1338 End 1628
 GI none Score 213
 Exons 1338..1601, 1364..1525, 1566..1628

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81373	Strand	-
Start	3030	End	3581
Name	OJ000208_21.0330.C16.o2.gs	Method	GENSCAN
Start	3030	End	3581
GI	none	Score	.53
Exons	3030..3581		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81374	Strand	
Start	5555	End	6214
Name	OJ000208_21.0330.C16.o1.tw	Method	TBLASTX:Wheat
Start	5555	End	5923
GI	none	Score	410
Exons	5555..5923, 5601..5921		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81374	Strand	
Start	5555	End	6214
Name	OJ000208_21.0330.C16.o1.tm	Method	TBLASTX:Maize
Start	5703	End	6091
GI	none	Score	175
Exons	5703..5921, 5771..5917, 5921..6091, 5980..6090		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81374	Strand	
Start	5555	End	6214
Name	OJ000208_21.0330.C16.o2.ts	Method	TBLASTX:Soybean
Start	5805	End	6159
GI	none	Score	71
Exons	5805..5870, 5871..5921, 5921..6157, 5930..6091, 5944..6159		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81374	Strand	
Start	5555	End	6214
Name	OJ000208_21.0330.C16.o3.tw	Method	TBLASTX:Wheat
Start	5924	End	6214
GI	none	Score	350
Exons	5924..6214, 5938..6213		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81375	Strand	
Start	6252	End	6818
Name	OJ000208_21.0330.C16.o4.tw	Method	TBLASTX:Wheat
Start	6252	End	6721
GI	none	Score	186
Exons	6252..6452, 6254..6436, 6444..6515, 6530..6721		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81375	Strand	
Start	6252	End	6818
Name	OJ000208_21.0330.C16.o4.ts	Method	TBLASTX:Soybean
Start	6258	End	6392
GI	none	Score	195
Exons	6258..6392, 6258..6374, 6272..6379		

Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81375	Strand	
Start	6252	End	6818
Name	OJ000208_21.0330.C16.o1.tc	Method	TBLASTX:Cress
Start	6435	End	6818
GI	none	Score	52
Exons	6435..6512, 6551..6727, 6667..6723, 6717..6818, 6729..6818		
Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81376	Strand	
Start	6839	End	7163
Name	OJ000208_21.0330.C16.o3.ts	Method	TBLASTX:Soybean
Start	6839	End	7163
GI	none	Score	66
Exons	6839..6880, 6840..6881, 6878..7162, 6879..7163		
Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81376	Strand	
Start	6839	End	7163
Name	OJ000208_21.0330.C16.o6.tw	Method	TBLASTX:Wheat
Start	6840	End	7151
GI	none	Score	261
Exons	6840..7145, 6845..7075, 6873..7151		
Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81377	Strand	
Start	7166	End	7622
Name	OJ000208_21.0330.C16.o1.ts	Method	TBLASTX:Soybean
Start	7166	End	7622
GI	none	Score	342
Exons	7166..7546, 7167..7547, 7563..7622		
Seq. No.	39415	Seq. ID	OJ000208_21.0330.C16
Gene No.	81377	Strand	
Start	7166	End	7622
Name	OJ000208_21.0330.C16.o2.tw	Method	TBLASTX:Wheat
Start	7175	End	7556
GI	none	Score	354
Exons	7175..7198, 7176..7556, 7250..7555		
Seq. No.	39416	Seq. ID	OJ000208_21.0330.C19
Gene No.	81378	Strand	-
Start	1	End	722
Name	OJ000208_21.0330.C19.o1.np	Method	AAT/NAP
Start	1	End	722
GI	6522540	Score	391
Exons	1..722		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		
Seq. No.	39416	Seq. ID	OJ000208_21.0330.C19
Gene No.	81378	Strand	-
Start	1	End	722
Name	OJ000208_21.0330.C19.o1.gs	Method	GENSCAN
Start	72	End	530
GI	none	Score	.4
Exons	72..530		

Seq. No. 39417
 Gene No. 81379
 Start 23
 Name OJ000208_22.0323.C1.o1.gs
 Start 23
 GI none
 Exons 23..224, 352..791, 869..967

Seq. ID OJ000208_22.0323.C1
 Strand -
 End 970
 Method GENSCAN
 End 967
 Score .93

Seq. No. 39417
 Gene No. 81379
 Start 23
 Name OJ000208_22.0323.C1.o1.tm
 Start 620
 GI none
 Exons 620..700, 627..722, 638..721, 863..970, 863..970

Seq. ID OJ000208_22.0323.C1
 Strand -
 End 970
 Method TBLASTX:Maize
 End 970
 Score 92

Seq. No. 39418
 Gene No. 81380
 Start 986
 Name OJ000208_22.0323.C4.o1.gs
 Start 986
 GI none
 Exons 986..1561, 1700..1866, 2210..2253, 2493..2544, 2760..2832, 2956..3156

Seq. ID OJ000208_22.0323.C4
 Strand +
 End 3279
 Method GENSCAN
 End 3156
 Score .8

Seq. No. 39418
 Gene No. 81380
 Start 986
 Name OJ000208_22.0323.C4.o1.np
 Start 1781
 GI 6942190
 Exons 1781..1904, 2046..2122, 2210..2253, 2494..2544, 2760..2832, 2956..3279

Seq. ID OJ000208_22.0323.C4
 Strand +
 End 3279
 Method AAT/NAP
 End 3279
 Score 218

GI Descrip. (AF219972) CDPK substrate protein 1; CSP1 [Mesembryanthemum crystallinum]

Seq. No. 39418
 Gene No. 81381
 Start 4450
 Name OJ000208_22.0323.C4.o2.gs
 Start 4450
 GI none
 Exons 4450..4533, 4602..4818, 4925..5257, 5281..5300

Seq. ID OJ000208_22.0323.C4
 Strand -
 End 5300
 Method GENSCAN
 End 5300
 Score .66

Seq. No. 39418
 Gene No. 81381
 Start 4450
 Name OJ000208_22.0323.C4.o1.gp
 Start 4695
 GI none
 Exons 4695..4818, 4925..4999

Seq. ID OJ000208_22.0323.C4
 Strand -
 End 5300
 Method AAT/GAP
 End 4999
 Score 328

Seq. No. 39418
 Gene No. 81382
 Start 5642
 Name OJ000208_22.0323.C4.o1.tm

Seq. ID OJ000208_22.0323.C4
 Strand -
 End 7473
 Method TBLASTX:Maize

Start	876	End	1298
GI	none	Score	56
Exons	876..956, 876..947, 955..1149, 958..1182, 1137..1178, 1194..1292, 1200..1298		

Seq. No.	39418	Seq. ID	OJ000208_22.0323.C4
Gene No.	81382	Strand	-
Start	5642	End	7473
Name	OJ000208_22.0323.C4.o3.gs	Method	GENSCAN
Start	5642	End	7473
GI	none	Score	.52
Exons	5642..5767, 5859..6078, 6203..6291, 6436..6635, 7188..7269, 7399..7473		

Seq. No.	39418	Seq. ID	OJ000208_22.0323.C4
Gene No.	81382	Strand	-
Start	5642	End	7473
Name	OJ000208_22.0323.C4.o2.gp	Method	AAT/GAP
Start	5700	End	6090
GI	568192	Score	526
Exons	5700..5767, 5859..6090		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81383	Strand	+
Start	202	End	3850
Name	OJ000208_22.0323.C5.o1.gs	Method	GENSCAN
Start	202	End	3850
GI	none	Score	.7
Exons	202..246, 1021..1143, 1591..1698, 3491..3635, 3739..3850		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81384	Strand	+
Start	5075	End	9356
Name	OJ000208_22.0323.C5.o1.gp	Method	AAT/GAP
Start	5003	End	5347
GI	286517	Score	411
Exons	5003..5134, 5251..5347		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81384	Strand	+
Start	5075	End	9356
Name	OJ000208_22.0323.C5.o1.np	Method	AAT/NAP
Start	5075	End	8927
GI	1209703	Score	1591
Exons	5075..5134, 5251..5477, 5761..6213, 6463..6847, 7009..7116, 7701..7901, 8008..8106, 8499..8681, 8763..8927		
GI Descrip.	(U40489) maize gll homolog [Arabidopsis thaliana]		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81384	Strand	+
Start	5075	End	9356
Name	OJ000208_22.0323.C5.o2.gs	Method	GENSCAN
Start	5075	End	9356
GI	none	Score	.86
Exons	5075..5134, 5251..5477, 5761..6213, 6463..6847, 7009..7116, 7701..7901, 8008..8106, 8343..8681, 9225..9356		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81385	Strand	+
Start	10430	End	18962
Name	OJ000208_22.0323.C5.o3.gs	Method	GENSCAN
Start	10430	End	18962
GI	none	Score	.8
Exons	10430..10687, 11222..11357, 11731..11860, 12297..12466,		

12542..12618, 13147..13360, 13467..13641, 13830..13929,
14028..14126, 14474..14557, 14863..15031, 15304..15408,
16723..16800, 17624..18019, 18099..18222, 18311..18962

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81385	Strand	+
Start	10430	End	18962
Name	OJ000208_22.0323.C5.o2.np	Method	AAT/NAP
Start	10451	End	15039
GI	4204287	Score	1762
Exons	10451..10687, 11222..11357, 11716..11860, 12297..12466,		

12542..12618, 13147..13353, 13550..13675, 13804..13929,
14028..14122, 14506..14557, 14629..14712, 14848..15039

GI Descrip. (AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81385	Strand	+
Start	10430	End	18962
Name	OJ000208_22.0323.C5.o4.gp	Method	AAT/GAP
Start	17875	End	18507
GI	none	Score	771
Exons	17875..18019, 18125..18222, 18311..18507		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81385	Strand	+
Start	10430	End	18962
Name	OJ000208_22.0323.C5.o3.np	Method	AAT/NAP
Start	18116	End	18956
GI	6642656	Score	715
Exons	18116..18222, 18311..18956		

GI Descrip. (AC012395) unknown protein [Arabidopsis thaliana]

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81386	Strand	+
Start	20716	End	21253
Name	OJ000208_22.0323.C5.o4.gs	Method	GENSCAN
Start	20716	End	21253
GI	none	Score	.77
Exons	20716..20727, 20894..21253		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81387	Strand	+
Start	25872	End	32176
Name	OJ000208_22.0323.C5.o6.gs	Method	GENSCAN
Start	25872	End	30341
GI	none	Score	.76
Exons	25872..25921, 26098..26232, 26529..26709, 27612..27734,		

28661..28956, 29066..29141, 29231..29342, 29721..29770,
29856..30060, 30210..30341

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81387	Strand	+
Start	25872	End	32176
Name	OJ000208_22.0323.C5.o4.np	Method	AAT/NAP
Start	26413	End	32176
GI	7486097	Score	941
Exons	26413..26444, 26529..26626, 28473..28582, 28661..28952, 29065..29141, 29231..29342, 29721..29770, 29856..30128, 30228..30354, 32158..32176		

GI Descrip. hypothetical protein F24L7.16 - Arabidopsis thaliana
gi|2914703|gb|AAC04493.1| (AC003974) unknown protein
[Arabidopsis thaliana]

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81388	Strand	-
Start	8797	End	9214
Name	OJ000208_22.0323.C5.o2.gp	Method	AAT/GAP
Start	8797	End	9214
GI	none	Score	712
Exons	8797..9214		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81389	Strand	-
Start	16846	End	16936
Name	OJ000208_22.0323.C5.o3.gp	Method	AAT/GAP
Start	16846	End	16936
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	16846..16936		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	31390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o2.tc	Method	TBLASTX:Cress
Start	5072	End	8927
GI	none	Score	84
Exons	5072..5140, 5226..5303, 5239..5301, 5317..5478, ..5399, 5377..5481, 5761..5853, 5762..5863, 5867..6217, 5811..6048, 6109..6216, 6452..6628, 6469..6537, 6605..6694, 6610..6693, 6776..6838, 7005..7115, 7006..7116, 7674..7904, 7700..7885, 8005..8124, 8505..8681, 8507..8680, 8760..8849, ..8845, 8856..8927		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	31390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	5074	End	8909
GI	none	Score	99
Exons	5074..5124, 5075..5140, 5238..5360, 5257..5478, 5377..5481, 5761..6051, 5762..6055, 6101..6217, 6109..6213, 6448..6528, 6449..6634, 6595..6693, 6608..6709, 6776..6838, 7006..7116, 7038..7127, 7674..7904, 7698..7901, 8523..8681, 8543..8680, 8760..8909, 8762..8908		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o2.ts	Method	TBLASTX:Soybean
Start	5347	End	6586
GI	none	Score	150
Exons	5347..5478, 5377..5481, 5761..6051, 5762..6055, 6101..6217, 6109..6213, 6448..6528, 6449..6586		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o1.tw	Method	TBLASTX:Wheat
Start	8760	End	8917
GI	none	Score	201
Exons	8760..8909, 8762..8917		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o4.ts	Method	TBLASTX:Soybean
Start	10552	End	11293
GI	none	Score	224
Exons	10552..10689, 10553..10690, 11212..11289, 11219..11293, 11228..11287, 11229..11288		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o5.tm	Method	TBLASTX:Maize
Start	11222	End	11873
GI	none	Score	242
Exons	11222..11359, 11228..11359, 11238..11363, 11710..11871, 11711..11872, 11712..11873		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o6.tm	Method	TBLASTX:Maize
Start	13514	End	14913
GI	none	Score	164
Exons	13514..13642, 13527..13643, 13529..13642, 13810..13857, 13831..13869, 13851..13931, 13858..13932, 13861..13935, 13863..13937, 14027..14122, 14028..14123, 14028..14105, 14495..14560, 14500..14559, 14628..14705, 14629..14700, 14832..14906, 14833..14913, 14860..14913		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	18110	End	18686
GI	none	Score	125
Exons	18110..18223, 18311..18490, 18312..18686, 18536..18634		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
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Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	18122	End	18947
GI	none	Score	131
Exons	18122..18223, 18172..18219, 18311..18658, 18312..18764, 18791..18937, 18792..18947		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	18434	End	18956
GI	none	Score	214
Exons	18434..18562, 18435..18563, 18554..18697, 18555..18692, 18602..18706, 18774..18956, 18797..18937		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81390	Strand	-
Start	22691	End	22929
Name	OJ000208_22.0323.C5.o5.gs	Method	GENSCAN
Start	22691	End	22929
GI	none	Score	.48
Exons	22691..22710, 22812..22929		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81391	Strand	-
Start	26400	End	30161
Name	OJ000208_22.0323.C5.o3.tm	Method	TBLASTX:Maize
Start	26400	End	28899
GI	none	Score	61
Exons	26400..26444, 26410..26445, 26526..26630, 26530..26625, 28454..28582, 28465..28584, 28471..28581, 28472..28582, 28473..28586, 28659..28688, 28661..28897, 28727..28897, 28747..28899		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81391	Strand	-
Start	26400	End	30161
Name	OJ000208_22.0323.C5.o4.tc	Method	TBLASTX:Cress
Start	28454	End	28582
GI	none	Score	206
Exons	28454..28582, 28471..28569		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81391	Strand	-
Start	26400	End	30161
Name	OJ000208_22.0323.C5.o3.ts	Method	TBLASTX:Soybean
Start	28529	End	30143
GI	none	Score	80
Exons	28529..28582, 28730..28957, 28745..28876, 28747..28962, 29067..29114, 29213..29290, 29289..29342, 29719..29763, 29726..29767, 29847..29912, 29985..30143, 30002..30127		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81391	Strand	-
Start	26400	End	30161

Name	OJ000208_22.0323.C5.o3.tc	Method	TBLASTX:Cress
Start	28730	End	29767
GI	none	Score	213
Exons	28730..28951, 28747..28950, 29088..29135, 29088..29135, 29231..29344, 29236..29346, 29237..29359, 29719..29766, 29732..29767		

Seq. No.	39419	Seq. ID	OJ000208_22.0323.C5
Gene No.	81391	Strand	
Start	26400	End	30161
Name	OJ000208_22.0323.C5.o4.tm	Method	TBLASTX:Maize
Start	29722	End	30161
GI	none	Score	78
Exons	29722..29775, 29729..29770, 29850..29915, 29855..29914, 29956..30153, 29957..30157, 29968..30159, 29981..30157, 29982..30161, 29985..30161		

Seq. No.	39420	Seq. ID	OJ000208_22.0323.C6
Gene No.	81392	Strand	+
Start	1	End	3758
Name	OJ000208_22.0323.C6.o1.np	Method	AAT/NAP
Start	1	End	3036
GI	7486097	Score	1166
Exons	1..47, 428..656, 756..867, 932..1071, 1148..1297, 1581..1736, 1851..1967, 2266..2466, 2896..3036		
GI Descrip.	hypothetical protein F24L7.16 - Arabidopsis thaliana gi 2914703 gb AAC04493.1 (AC003974) unknown protein [Arabidopsis thaliana]		

Seq. No.	39420	Seq. ID	OJ000208_22.0323.C6
Gene No.	81392	Strand	+
Start	1	End	3758
Name	OJ000208_22.0323.C6.o1.gs	Method	GENSCAN
Start	320	End	3758
GI	none	Score	.67
Exons	320..337, 435..653, 759..900, 962..1071, 1148..1297, 1581..1736, 1851..1967, 2269..2466, 2896..3035, 3575..3758		

Seq. No.	39420	Seq. ID	OJ000208_22.0323.C6
Gene No.	81392	Strand	+
Start	1	End	3758
Name	OJ000208_22.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	452	End	3414
GI	none	Score	76
Exons	452..505, 453..506, 523..654, 554..670, 555..653, 733..900, 743..928, 759..908, 960..1070, 961..1071, 1146..1292, 1147..1287, 1148..1306, 1580..1735, 1581..1736, 1585..1746, 1848..1967, 1850..1966, 2251..2466, 2264..2464, 2265..2465, 2893..3042, 2893..3024, 2895..3050, 3289..3414		

Seq. No.	39420	Seq. ID	OJ000208_22.0323.C6
Gene No.	81392	Strand	+
Start	1	End	3758
Name	OJ000208_22.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	551	End	1273
GI	none	Score	96
Exons	551..628, 552..674, 758..817, 759..908, 772..894, 942..1073,		

960..1073, 961..1080, 1146..1268, 1154..1273, 1156..1269

Seq. No.	39420	Seq. ID	OJ000208_22.0323.C6
Gene No.	81392	Strand	+
Start	1	End	3758
Name	OJ000208_22.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	627	End	1706
GI	none	Score	37
Exons	627..656, 755..817, 756..821, 964..1080, 1034..1075, 1154..1306, 1159..1278, 1547..1699, 1581..1706		

Seq. No.	39420	Seq. ID	OJ000208_22.0323.C6
Gene No.	81392	Strand	+
Start	1	End	3758
Name	OJ000208_22.0323.C6.o2.ts	Method	TBLASTX:Soybean
Start	1568	End	2958
GI	none	Score	192
Exons	1568..1720, 1581..1736, 1841..1963, 1842..1967, 2218..2355, 2226..2369, 2266..2370, 2362..2466, 2367..2465, 2893..2958		

Seq. No.	39420	Seq. ID	OJ000208_22.0323.C6
Gene No.	81392	Strand	+
Start	1	End	3758
Name	OJ000208_22.0323.C6.o2.tc	Method	TBLASTX:Cress
Start	1878	End	3042
GI	none	Score	69
Exons	1878..1967, 2266..2370, 2362..2466, 2367..2465, 2893..3042		

Seq. No.	39421	Seq. ID	OJ000208_22.0323.C7
Gene No.	81393	Strand	-
Start	723	End	998
Name	OJ000208_22.0323.C7.o1.gs	Method	GENSCAN
Start	723	End	998
GI	none	Score	.93
Exons	723..998		

Seq. No.	39422	Seq. ID	OJ000208_22.0323.C9
Gene No.	81394	Strand	+
Start	93	End	543
Name	OJ000208_22.0323.C9.o2.gp	Method	AAT/GAP
Start	93	End	543
GI	LIB3432-059-P1-K1-D8	Score	730
Exons	93..543		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39422	Seq. ID	OJ000208_22.0323.C9
Gene No.	81395	Strand	-
Start	1	End	91
Name	OJ000208_22.0323.C9.o1.gp	Method	AAT/GAP
Start	1	End	91
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	1..91		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No. 39423
 Gene No. 81396
 Start 1152
 Name OJ000208_22.0323.C10.o1.gs
 Start 1152
 GI none
 Exons 1152..2543

Seq. ID OJ000208_22.0323.C10
 Strand -
 End 2543
 Method GENSCAN
 End 2543
 Score .79

Seq. No. 39423
 Gene No. 81396
 Start 1152
 Name OJ000208_22.0323.C10.o1.np
 Start 1155
 GI 4580394
 Exons 1155..2543
 GI Descrip. (AC007171) putative fatty acid elongase [Arabidopsis thaliana]

Seq. ID OJ000208_22.0323.C10
 Strand -
 End 2543
 Method AAT/NAP
 End 2543
 Score 1245

Seq. No. 39423
 Gene No. 81397
 Start 4290
 Name OJ000208_22.0323.C10.o1.tm
 Start 1191
 GI none
 Exons 1191..1400, 1191..1565, 1192..1551, 1641..1682

Seq. ID OJ000208_22.0323.C10
 Strand -
 End 5038
 Method TBLASTX:Maize
 End 1682
 Score 104

Seq. No. 39423
 Gene No. 81397
 Start 4290
 Name OJ000208_22.0323.C10.o1.tc
 Start 1245
 GI none
 Exons 1245..1277, 1305..1562, 1318..1560, 1641..1745, 1786..2058, 1806..2063

Seq. ID OJ000208_22.0323.C10
 Strand -
 End 5038
 Method TBLASTX:Cress
 End 2063
 Score 144

Seq. No. 39423
 Gene No. 81397
 Start 4290
 Name OJ000208_22.0323.C10.o1.ts
 Start 1419
 GI none
 Exons 1419..1562, 1423..1560, 1641..1739, 1750..2058, 1806..2174

Seq. ID OJ000208_22.0323.C10
 Strand -
 End 5038
 Method TBLASTX:Soybean
 End 2174
 Score 85

Seq. No. 39423
 Gene No. 81397
 Start 4290
 Name OJ000208_22.0323.C10.o2.tm
 Start 1701
 GI none
 Exons 1701..1745, 1732..2058, 1806..2174, 2001..2060

Seq. ID OJ000208_22.0323.C10
 Strand -
 End 5038
 Method TBLASTX:Maize
 End 2174
 Score 149

Seq. No. 39423
 Gene No. 81397
 Start 4290
 Name OJ000208_22.0323.C10.o2.tc
 Start 2067
 GI none
 Exons 2067..2174, 2244..2435, 2248..2430

Seq. ID OJ000208_22.0323.C10
 Strand -
 End 5038
 Method TBLASTX:Cress
 End 2435
 Score 99

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81397	Strand	-
Start	4290	End	5038
Name	OJ000208_22.0323.C10.o2.ts	Method	TBLASTX:Soybean
Start	2244	End	2438
GI	none	Score	143
Exons	2244..2438, 2248..2430		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81397	Strand	-
Start	4290	End	5038
Name	OJ000208_22.0323.C10.o3.tm	Method	TBLASTX:Maize
Start	2244	End	2451
GI	none	Score	170
Exons	2244..2438, 2248..2427, 2392..2451		

Seq. No.	39423	Seq. ID	OJ000208_22.0323.C10
Gene No.	81397	Strand	-
Start	4290	End	5038
Name	OJ000208_22.0323.C10.o2.gs	Method	GENSCAN
Start	4290	End	5038
GI	none	Score	.63
Exons	4290..4361, 4925..5038		

Seq. No.	39424	Seq. ID	OJ000208_22.0323.C11
Gene No.	81398	Strand	+
Start	250	End	648
Name	OJ000208_22.0323.C11.o1.gs	Method	GENSCAN
Start	250	End	648
GI	none	Score	.5
Exons	250..648		

Seq. No.	39424	Seq. ID	OJ000208_22.0323.C11
Gene No.	81399	Strand	-
Start	200	End	460
Name	OJ000208_22.0323.C11.o2.gp	Method	AAT/GAP
Start	200	End	460
GI	20886_2.R1084	Score	369
Exons	200..460		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 8.0e-24 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39424	Seq. ID	OJ000208_22.0323.C11
Gene No.	81400	Strand	-
Start	440	End	873
Name	OJ000208_22.0323.C11.o1.np	Method	AAT/NAP
Start	440	End	873
GI	6907106	Score	216
Exons	440..643, 853..873		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81401	Strand	+
Start	1083	End	4367
Name	OJ000208_22.0323.C12.o1.gs	Method	GENSCAN

Start 1083
 GI none
 Exons 1083..1214, 4251..4367

End 4367
 Score .52

Seq. No. 39425 Seq. ID OJ000208_22.0323.C12
 Gene No. 81402 Strand +
 Start 4344 End 4402
 Name OJ000208_22.0323.C12.o1.gp Method AAT/GAP
 Start 4344 End 4402
 GI 2312838 Score 65
 Exons 4344..4402
 GI Descrip. 1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon
 4-coumarate-CoA ligase gene, intron 1, partial sequence

Seq. No. 39425 Seq. ID OJ000208_22.0323.C12
 Gene No. 81403 Strand -
 Start 4627 End 8012
 Name OJ000208_22.0323.C12.o2.gs Method GENSCAN
 Start 4627 End 8012
 GI none Score .86
 Exons 4627..4899, 5534..5593, 5672..5725, 5822..5921, 6135..6248,
 6818..6882, 6984..7091, 7314..7387, 7721..7834, 7949..8012

Seq. No. 39425 Seq. ID OJ000208_22.0323.C12
 Gene No. 81403 Strand -
 Start 4627 End 8012
 Name OJ000208_22.0323.C12.o2.gp Method AAT/GAP
 Start 5240 End 7985
 GI 188_1.R1084 Score 1889
 Exons 5240..5593, 5672..5725, 5822..5921, 6135..6248, 6818..6882,
 6984..7091, 7314..7387, 7721..7802, 7896..7985
 GI Descrip. '4106694/dbj|BAA36283.1| 0.0e+00 (D85751) glutathione reductase
 [Oryza sativa] >gi_4153883_dbj_BAA37092.1_ (AB009592) cytosolic
 glutathione reductase [Oryza sativa]'

Seq. No. 39425 Seq. ID OJ000208_22.0323.C12
 Gene No. 81403 Strand -
 Start 4627 End 8012
 Name OJ000208_22.0323.C12.o1.tc Method TBLASTX:Cress
 Start 5463 End 7986
 GI none Score 97
 Exons 5463..5606, 5498..5593, 5660..5731, 5661..5729, 5786..5917,
 5820..5933, 5826..5933, 6137..6247, 6138..6248, 6146..6250,
 6818..6883, 6818..6892, 6915..7091, 6988..7092, 7285..7398,
 7308..7388, 7717..7803, 7719..7811, 7881..7985, 7903..7986

Seq. No. 39425 Seq. ID OJ000208_22.0323.C12
 Gene No. 81403 Strand -
 Start 4627 End 8012
 Name OJ000208_22.0323.C12.o1.tm Method TBLASTX:Maize
 Start 5491 End 7989
 GI none Score 131
 Exons 5491..5574, 5492..5593, 5493..5594, 5660..5731, 5670..5726,
 5786..5917, 5805..5924, 5820..5957, 6133..6243, 6134..6265,
 6134..6250, 6812..6895, 6818..6880, 6819..6881, 6820..6882,
 6984..7091, 6988..7092, 7308..7388, 7309..7398, 7309..7398,
 7719..7811, 7720..7803, 7722..7805, 7822..7989, 7886..7984,

7890..7985, 7891..7986

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	5498	End	6235
GI	none	Score	79
Exons	5498..5524, 5510..5593, 5532..5606, 5660..5731, 5661..5729, 5674..5730, 5786..5917, 5811..5933, 6137..6235		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o1.np	Method	AAT/NAP
Start	5501	End	8005
GI	4106694	Score	1043
Exons	5501..5593, 5672..5725, 5822..5921, 6135..6248, 6818..6882, 6984..7091, 7314..7387, 7721..7802, 7896..8005		
GI Descrip.	(D85751) glutathione reductase [Oryza sativa] gil4153883 dbj BAA37092.1 (AB009592) cytosolic glutathione reductase [Oryza sativa]		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	5525	End	6241
GI	none	Score	87
Exons	5525..5593, 5526..5594, 5660..5731, 5670..5729, 5671..5730, 5822..5914, 5822..5914, 5826..5924, 6127..6216, 6134..6241, 6136..6231		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	6817	End	7986
GI	none	Score	54
Exons	6817..6882, 6824..6880, 6984..7091, 6988..7092, 7285..7398, 7308..7388, 7702..7803, 7719..7814, 7719..7811, 7893..7985, 7903..7986		

Seq. No.	39425	Seq. ID	OJ000208_22.0323.C12
Gene No.	81403	Strand	-
Start	4627	End	8012
Name	OJ000208_22.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	7050	End	7989
GI	none	Score	62
Exons	7050..7115, 7050..7091, 7308..7388, 7309..7389, 7719..7805, 7719..7811, 7886..7981, 7890..7982, 7890..7985, 7891..7989		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o1.np	Method	AAT/NAP
Start	1	End	2668

GI 4106694 Score 1021
 Exons 1..33, 255..338, 437..510, 1432..1635, 1733..1804, 2138..2207, 2361..2425, 2528..2668
 GI Descrip: (D85751) glutathione reductase [Oryza sativa]
 gi|4153883|dbj|BAA37092.1| (AB009592) cytosolic glutathione reductase [Oryza sativa]

Seq. No. 39426 Seq. ID OJ000208_22.0323.C13
 Gene No. 81404 Strand -
 Start 1 End 9621
 Name OJ000208_22.0323.C13.o1.tw Method TBLASTX:Wheat
 Start 216 End 513
 GI none Score 114
 Exons 216..338, 250..339, 254..343, 254..337, 430..513, 434..511

Seq. No. 39426 Seq. ID OJ000208_22.0323.C13
 Gene No. 81404 Strand -
 Start 1 End 9621
 Name OJ000208_22.0323.C13.o2.tm Method TBLASTX:Maize
 Start 216 End 2671
 GI none Score 118
 Exons 216..338, 250..339, 254..337, 257..343, 423..503, 430..513, 434..511, 1427..1636, 1430..1630, 1431..1631, 1431..1637, 1432..1638, 1432..1638, 1725..1811, 1727..1807, 2136..2210, 2136..2201, 2137..2220, 2138..2206, 2320..2397, 2358..2426, 2360..2428, 2361..2426, 2362..2427, 2495..2629, 2496..2597, 2632..2670, 2636..2671

Seq. No. 39426 Seq. ID OJ000208_22.0323.C13
 Gene No. 81404 Strand -
 Start 1 End 9621
 Name OJ000208_22.0323.C13.o1.tc Method TBLASTX:Cress
 Start 225 End 2689
 GI none Score 107
 Exons 225..338, 254..337, 430..510, 434..526, 1435..1638, 1436..1567, 1733..1810, 2136..2210, 2138..2206, 2360..2428, 2361..2426, 2495..2608, 2496..2597, 2546..2668, 2633..2689

Seq. No. 39426 Seq. ID OJ000208_22.0323.C13
 Gene No. 81404 Strand -
 Start 1 End 9621
 Name OJ000208_22.0323.C13.o1.ts Method TBLASTX:Soybean
 Start 225 End 2692
 GI none Score 85
 Exons 225..335, 254..337, 297..341, 430..513, 434..532, 437..514, 1430..1513, 1432..1638, 1436..1630, 1441..1638, 1733..1810, 1737..1805, 2136..2210, 2138..2206, 2358..2426, 2360..2428, 2495..2611, 2496..2597, 2615..2680, 2651..2692

Seq. No. 39426 Seq. ID OJ000208_22.0323.C13
 Gene No. 81404 Strand -
 Start 1 End 9621
 Name OJ000208_22.0323.C13.o1.gp Method AAT/GAP
 Start 255 End 3014
 GI 188_1.R1084 Score 1541
 Exons 255..338, 437..510, 1432..1635, 1733..1804, 2138..2207, 2361..2425, 2528..2694, 2899..3014

GI Descrip. '4106694/dbj|BAA36283.1| 0.0e+00 (D85751) glutathione reductase [Oryza sativa] >gi_4153883_dbj_BAA37092.1_ (AB009592) cytosolic glutathione reductase [Oryza sativa]'

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o1.gs	Method	GENSCAN
Start	255	End	9621
GI	none	Score	.42
Exons	255..338, 437..510, 1432..1635, 1733..1804, 2528..2660, 2899..3087, 3750..3973, 5106..5720, 6558..6860, 8363..8452, 9550..9621		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	4981	End	6813
GI	none	Score	128
Exons	4981..5106, 5016..5180, 5021..5236, 5025..5309, 5265..5297, 5283..5510, 5311..5511, 5354..5515, 5355..5516, 6311..6433, 6313..6432, 6317..6433, 6541..6813, 6588..6629, 6609..6812		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o2.np	Method	AAT/NAP
Start	5016	End	6845
GI	3894168	Score	425
Exons	5016..5190, 5280..5508, 6314..6432, 6558..6845		
GI Descrip.	(AC005312) putative phloem-specific lectin [Arabidopsis thaliana]		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o2.gp	Method	AAT/GAP
Start	5421	End	6943
GI	23451_1.R1084	Score	1123
Exons	5421..5508, 6314..6432, 6558..6943		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39426	Seq. ID	OJ000208_22.0323.C13
Gene No.	81404	Strand	-
Start	1	End	9621
Name	OJ000208_22.0323.C13.o3.gp	Method	AAT/GAP
Start	8608	End	8883
GI	2280831	Score	406
Exons	8608..8883		

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81405	Strand	+
Start	345	End	601
Name	OJ000208_22.0323.C14.o1.gp	Method	AAT/GAP
Start	345	End	601

GI LIB3479-011-Q6-K1-B8 Score 470
 Exons 345..601
 GI Descrip. '5441872/dbj|AP000366.1|AP000366 6.0e-34 Oryza sativa genomic
 DNA, chromosome 2, clone:P0437H03 (contig a)'

Seq. No. 39427 Seq. ID OJ000208_22.0323.C14
 Gene No. 81406 Strand -
 Start 454 End 7684
 Name OJ000208_22.0323.C14.o5.tm Method TBLASTX:Maize
 Start 1 End 1987
 GI none Score 110
 Exons 1..96, 2..85, 3..95, 175..288, 178..288, 179..289, 1933..1980,
 1934..1981, 1943..1987

Seq. No. 39427 Seq. ID OJ000208_22.0323.C14
 Gene No. 81406 Strand -
 Start 454 End 7684
 Name OJ000208_22.0323.C14.o2.tm Method TBLASTX:Maize
 Start 452 End 754
 GI none Score 64
 Exons 452..517, 453..749, 454..747, 457..753, 605..754

Seq. No. 39427 Seq. ID OJ000208_22.0323.C14
 Gene No. 81406 Strand -
 Start 454 End 7684
 Name OJ000208_22.0323.C14.o1.gs Method GENSCAN
 Start 454 End 7349
 GI none Score .59
 Exons 454..844, 984..1132, 2794..2854, 3038..3131, 4500..4777,
 4948..5066, 5164..5489, 5836..6179, 6931..7046, 7347..7349

Seq. No. 39427 Seq. ID OJ000208_22.0323.C14
 Gene No. 81406 Strand -
 Start 454 End 7684
 Name OJ000208_22.0323.C14.o1.np Method AAT/NAP
 Start 463 End 1808
 GI 6967112 Score 400
 Exons 463..1132, 1215..1365, 1465..1604, 1671..1808
 GI Descrip. (AL138652) putative protein [Arabidopsis thaliana]

Seq. No. 39427 Seq. ID OJ000208_22.0323.C14
 Gene No. 81406 Strand -
 Start 454 End 7684
 Name OJ000208_22.0323.C14.o1.tw Method TBLASTX:Wheat
 Start 676 End 1085
 GI none Score 87
 Exons 676..846, 704..850, 852..1085, 854..1081

Seq. No. 39427 Seq. ID OJ000208_22.0323.C14
 Gene No. 81406 Strand -
 Start 454 End 7684
 Name OJ000208_22.0323.C14.o1.tm Method TBLASTX:Maize
 Start 754 End 1146
 GI none Score 70
 Exons 754..849, 755..847, 817..879, 846..1058, 852..1130, 854..1135,
 854..1129, 1030..1146

Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	763	End	1235
GI	none	Score	43
Exons	763..849, 854..925, 935..1135, 1215..1235		
Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o3.tm	Method	TBLASTX:Maize
Start	1256	End	1538
GI	none	Score	144
Exons	1256..1522, 1257..1523, 1257..1538, 1261..1536		
Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o2.gp	Method	AAT/GAP
Start	3388	End	3761
GI	3767731	Score	658
Exons	3388..3761		
GI Descrip.	5441872/dbj AP000366.1 AP000366 6.0e-34 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		
Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o4.tm	Method	TBLASTX:Maize
Start	4399	End	7684
GI	none	Score	56
Exons	4399..4467, 4400..4462, 4468..4563, 4468..4608, 4574..4735, 4579..4737, 4605..4739, 4606..4740, 4945..5064, 4945..5064, 4947..5066, 4947..5087, 5167..5310, 5174..5311, 5389..5457, 5396..5443, 5744..5779, 5792..5860, 5797..5835, 5840..5932, 5863..5934, 5981..6028, 6044..6187, 6044..6196, 6099..6197, 6978..7046, 6987..7043, 6988..7047, 6992..7048, 7046..7117, 7258..7419, 7259..7417, 7261..7419, 7486..7683, 7493..7684		
Seq. No.	39427	Seq. ID	OJ000208_22.0323.C14
Gene No.	81406	Strand	-
Start	454	End	7684
Name	OJ000208_22.0323.C14.o3.gp	Method	AAT/GAP
Start	4468	End	5025
GI	22388_1.R1084	Score	711
Exons	4468..4777, 4948..5025		
GI Descrip.	'3894168 2.0e-14 (AC005312) similar to phloem-specific lectin [Arabidopsis thaliana]'		
Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81407	Strand	+
Start	4680	End	5153
Name	OJ000208_22.0323.C15.o1.gp	Method	AAT/GAP
Start	4680	End	5153
GI	none	Score	901
Exons	4680..5153		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81408	Strand	-
Start	1	End	3671
Name	OJ000208_22.0323.C15.o1.np	Method	AAT/NAP
Start	1	End	3671
GI	4210322	Score	742
Exons	1..367, 442..517, 615..730, 821..889, 1045..1253, 1345..1427, 1917..2069, 2169..2256, 3441..3671		
GI Descrip.	(AJ132544) D1-processing protease [Arabidopsis thaliana]		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81408	Strand	-
Start	1	End	3671
Name	OJ000208_22.0323.C15.o1.gs	Method	GENSCAN
Start	326	End	2449
GI	none	Score	.74
Exons	326..517, 615..730, 821..889, 1045..1177, 2169..2296, 2406..2449		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81409	Strand	-
Start	6667	End	10189
Name	OJ000208_22.0323.C15.o2.gp	Method	AAT/GAP
Start	6454	End	10189
GI	17137_1.R1084	Score	2619
Exons	6454..6783, 6878..7039, 7362..7519, 8142..8217, 8296..8378, 8703..9028, 9118..9164, 9796..9932, 10080..10189		
GI Descrip.	'3023271/sp P93436 ADH3_ORYSA 0.0e+00 GLUTATHIONE-DEPENDENT FORMALDEHYDE DEHYDROGENASE (FDH) (FALDH) (GSH-FDH) >gi_1675394 (U77637) class III ADH enzyme [Oryza sativa]'		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81409	Strand	-
Start	6667	End	10189
Name	OJ000208_22.0323.C15.o3.gs	Method	GENSCAN
Start	6667	End	9903
GI	none	Score	.69
Exons	6667..6783, 6878..7039, 7362..7519, 8142..8217, 8296..8426, 8703..8954, 9118..9164, 9707..9903		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81409	Strand	-
Start	6667	End	10189
Name	OJ000208_22.0323.C15.o2.np	Method	AAT/NAP
Start	6670	End	10119
GI	3023271	Score	1771
Exons	6670..6783, 6878..7039, 7362..7519, 8142..8217, 8296..8378, 8703..9028, 9118..9164, 9796..9932, 10080..10119		
GI Descrip.	ALCOHOL DEHYDROGENASE CLASS III (GLUTATHIONE-DEPENDENT FORMALDEHYDE DEHYDROGENASE) (FDH) (FALDH) (GSH-FDH) gi 7430933 pir T04164 formaldehyde dehydrogenase (glutathione) (EC 1.2.1.1) - rice gi 1675394 gb AAB19117.1 (U77637) class III ADH enzyme [Oryza sativa]		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866

Name	OJ000208_22.0323.C15.o3.ts	Method	TBLASTX:Soybean
Start	1044	End	1256
GI	none	Score	132
Exons	1044..1256, 1045..1254		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o2.tm	Method	TBLASTX:Maize
Start	3707	End	4103
GI	none	Score	124
Exons	3707..4072, 3708..3839, 3909..4103		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o2.ts	Method	TBLASTX:Soybean
Start	4233	End	4466
GI	none	Score	94
Exons	4233..4292, 4253..4291, 4329..4466, 4352..4453		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o4.tm	Method	TBLASTX:Maize
Start	4865	End	5015
GI	none	Score	228
Exons	4865..4996, 4869..4997, 4890..5015		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o1.ts	Method	TBLASTX:Soybean
Start	6622	End	9921
GI	none	Score	115
Exons	6622..6786, 6623..6799, 6683..6796, 6870..6974, 6873..6980, 6878..7000, 6974..7039, 6978..7040, 7361..7477, 7362..7517, 7363..7530, 7373..7525, 8143..8217, 8147..8218, 8287..8409, 8294..8380, 8701..9012, 8702..9001, 8702..9013, 8808..9080, 9106..9165, 9117..9167, 9782..9919, 9796..9921		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o1.tc	Method	TBLASTX:Cress
Start	6667	End	9921
GI	none	Score	115
Exons	6667..6786, 6668..6796, 6870..7040, 6877..6960, 6878..7042, 6878..7039, 7358..7489, 7360..7431, 7362..7517, 7369..7527, 7465..7518, 8146..8217, 8147..8218, 8151..8228, 8294..8323, 8297..8314, 8300..8380, 8317..8379, 8701..9012, 8702..9001, 8774..9013, 8901..9080, 9106..9165, 9117..9167, 9189..9215, 9782..9919, 9796..9921		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866

Name	OJ000208_22.0323.C15.o1.tm	Method	TBLASTX:Maize
Start	6677	End	10121
GI	none	Score	120
Exons	6677..6784, 6679..6786, 6682..6786, 6873..7040, 6877..6957, 6878..7039, 6895..7041, 7361..7489, 7362..7517, 7363..7530, 7373..7519, 8143..8217, 8144..8218, 8287..8376, 8287..8379, 8294..8380, 8701..9012, 8702..9001, 9106..9165, 9117..9167, 9119..9166, 9189..9215, 9782..9922, 9796..9921, 10080..10121, 10082..10120		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o3.gp	Method	AAT/GAP
Start	11296	End	12375
GI	none	Score	741
Exons	11296..11471, 11568..11658, 12140..12210, 12290..12375		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o5.tm	Method	TBLASTX:Maize
Start	11352	End	11640
GI	none	Score	98
Exons	11352..11468, 11352..11474, 11353..11472, 11571..11639, 11572..11640		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o4.gs	Method	GENSCAN
Start	11355	End	13847
GI	none	Score	.83
Exons	11355..11471, 11568..11658, 12140..12210, 12290..12385, 12810..12891, 13107..13177, 13240..13287, 13484..13543, 13617..13847		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o3.tm	Method	TBLASTX:Maize
Start	12807	End	13709
GI	none	Score	93
Exons	12807..12920, 12817..12894, 12821..12922, 12987..13118, 12988..13119, 13226..13285, 13234..13293, 13478..13543, 13484..13543, 13486..13545, 13486..13545, 13615..13656, 13617..13670, 13644..13670, 13645..13671, 13650..13685, 13674..13709		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o4.ts	Method	TBLASTX:Soybean
Start	12807	End	13113
GI	none	Score	100
Exons	12807..12887, 12811..12894, 12981..13112, 12987..13112, 12988..13113		

Seq. No.	39428	Seq. ID	OJ000208_22.0323.C15
Gene No.	81410	Strand	-
Start	11355	End	13866
Name	OJ000208_22.0323.C15.o4.gp	Method	AAT/GAP
Start	13246	End	13866
GI	none	Score	588
Exons	13246..13287, 13484..13543, 13617..13866		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81411	Strand	+
Start	6788	End	10105
Name	OJ000208_22.0323.C16.o4.np	Method	AAT/NAP
Start	6788	End	10105
GI	7491242	Score	178
Exons	6788..6829, 8588..8662, 8788..8873, 8991..9153, 9358..9480, 9613..9695, 9790..9848, 9964..10105		

GI Descrip. hypothetical protein SPAC806.06c - fission yeast
(Schizosaccharomyces pombe) gi|5834807|emb|CAB55285.1|
(AL117212) hypothetical protein [Schizosaccharomyces pombe]

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81411	Strand	+
Start	6788	End	10105
Name	OJ000208_22.0323.C16.o2.gp	Method	AAT/GAP
Start	8234	End	8966
GI	9281_1.R1084	Score	958
Exons	8234..8489, 8580..8662, 8788..8966		
GI Descrip.	'5834807/emb CAB55285.1 2.0e-09 (AL117212) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81411	Strand	+
Start	6788	End	10105
Name	OJ000208_22.0323.C16.o4.gs	Method	GENSCAN
Start	8236	End	9611
GI	none	Score	.95
Exons	8236..8489, 8580..8662, 8788..8873, 9157..9241, 9595..9611		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o2.np	Method	AAT/NAP
Start	1	End	5593
GI	2459415	Score	194
Exons	1..49, 5057..5593		
GI Descrip.	(AC002332) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o1.gs	Method	GENSCAN
Start	296	End	775
GI	none	Score	1
Exons	296..775		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
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Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o1.np	Method	AAT/NAP
Start	1796	End	4902
GI	1076509	Score	600
Exons	1796..1852, 2194..2466, 2562..2663, 3153..3365, 4864..4902		
GI Descrip.	RNA-binding protein RNP1 precursor - kidney bean gi 558629 emb CAA57551.1 (X82030) chloroplast RNA binding protein [Phaseolus vulgaris]		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o2.gs	Method	GENSCAN
Start	1802	End	3602
GI	none	Score	.68
Exons	1802..1930, 2194..2466, 2562..2663, 3153..3602		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o3.gs	Method	GENSCAN
Start	4796	End	8019
GI	none	Score	.68
Exons	4796..5709, 6820..6921, 7771..7906, 8017..8019		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o1.gp	Method	AAT/GAP
Start	6358	End	7906
GI	78765_1.R1084	Score	754
Exons	6358..6562, 6820..6921, 7771..7906		
GI Descrip.	'2500378/sp Q43292 RL37_ARATH 6.0e-24 60S RIBOSOMAL PROTEIN L37'		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81412	Strand	-
Start	1	End	8019
Name	OJ000208_22.0323.C16.o3.np	Method	AAT/NAP
Start	6519	End	7909
GI	2500378	Score	359
Exons	6519..6562, 6820..6921, 7771..7909		
GI Descrip.	60S RIBOSOMAL PROTEIN L37		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81413	Strand	-
Start	9952	End	10425
Name	OJ000208_22.0323.C16.o3.gp	Method	AAT/GAP
Start	9952	End	10425
GI	none	Score	920
Exons	9952..10425		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o1.tc	Method	TBLASTX:Cress
Start	1805	End	2666

GI	none	Score	102
Exons	1805..1852, 2197..2415, 2300..2389, 2565..2666		
Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o2.tm	Method	TBLASTX:Maize
Start	2188	End	2666
GI	none	Score	80
Exons	2188..2295, 2197..2373, 2197..2388, 2419..2469, 2553..2663, 2554..2655, 2565..2666		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o1.ts	Method	TBLASTX:Soybean
Start	2197	End	3246
GI	none	Score	48
Exons	2197..2385, 2200..2334, 2213..2254, 2311..2514, 2336..2458, 2560..2664, 2565..2681, 2568..2666, 3144..3245, 3151..3246		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o2.ts	Method	TBLASTX:Soybean
Start	6522	End	7937
GI	none	Score	117
Exons	6522..6563, 6813..6920, 6816..6917, 6818..6919, 7761..7937, 7772..7906		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o3.tc	Method	TBLASTX:Cress
Start	6813	End	7913
GI	none	Score	115
Exons	6813..6917, 6816..6926, 6818..6925, 7761..7913, 7775..7912		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o3.tm	Method	TBLASTX:Maize
Start	7761	End	7907
GI	none	Score	214
Exons	7761..7907, 7772..7906		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o2.tc	Method	TBLASTX:Cress
Start	8604	End	9080
GI	none	Score	98
Exons	8604..8660, 8605..8661, 8608..8670, 8786..8881, 8787..8882, 8988..9080, 8990..9073		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-

Start	10939	End	11139
Name	OJ000208_22.0323.C16.o1.tm	Method	TBLASTX:Maize
Start	8989	End	9696
GI	none	Score	96
Exons	8989..9090, 8994..9065, 9010..9075, 9156..9242, 9156..9245, 9157..9243, 9356..9469, 9357..9470, 9609..9695, 9615..9695, 9616..9696		

Seq. No.	39429	Seq. ID	OJ000208_22.0323.C16
Gene No.	81414	Strand	-
Start	10939	End	11139
Name	OJ000208_22.0323.C16.o5.gs	Method	GENSCAN
Start	10939	End	11139
GI	none	Score	.99
Exons	10939..11139		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.gp	Method	AAT/GAP
Start	1	End	1880
GI	374_1.R1084	Score	661
Exons	1..26, 817..1101, 1814..1880		
GI Descrip.	'2459420 2.0e-75 (AC002332) putative ribosomal protein L17 [Arabidopsis thaliana]'		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.np	Method	AAT/NAP
Start	1	End	1114
GI	2459420	Score	486
Exons	1..26, 817..1114		
GI Descrip.	(AC002332) 60S ribosomal protein L23 [Arabidopsis thaliana]		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1099
GI	none	Score	69
Exons	1..33, 817..909, 818..1099, 819..1076, 967..1080		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.tm	Method	TBLASTX:Maize
Start	798	End	1141
GI	none	Score	411
Exons	798..1109, 818..1141, 819..1076		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.tc	Method	TBLASTX:Cress
Start	813	End	1109
GI	none	Score	374

Exons 813..1076, 815..1099, 815..1102, 816..1109

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.gs	Method	GENSCAN
Start	817	End	1826
GI	none	Score	.78
Exons	817..1101, 1814..1826		

Seq. No.	39430	Seq. ID	OJ000208_22.0323.C17
Gene No.	81415	Strand	-
Start	1	End	1880
Name	OJ000208_22.0323.C17.o1.ts	Method	TBLASTX:Soybean
Start	818	End	1123
GI	none	Score	342
Exons	818..1123, 819..1076, 976..1110		

Seq. No.	39431	Seq. ID	OJ000208_22.0323.C18
Gene No.	81416	Strand	+
Start	527	End	778
Name	OJ000208_22.0323.C18.o1.gs	Method	GENSCAN
Start	527	End	778
GI	none	Score	.73
Exons	527..624, 710..778		

Seq. No.	39432	Seq. ID	OJ000118_11.0307.C3
Gene No.	81417	Strand	-
Start	310	End	3049
Name	OJ000118_11.0307.C3.o1.gs	Method	GENSCAN
Start	310	End	3049
GI	none	Score	.56
Exons	310..832, 984..1247, 2305..2378, 2955..3049		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81418	Strand	+
Start	869	End	1069
Name	OJ000118_11.0307.C4.o1.gs	Method	GENSCAN
Start	869	End	1069
GI	none	Score	.41
Exons	869..1069		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81419	Strand	-
Start	977	End	1962
Name	OJ000118_11.0307.C4.o1.tw	Method	TBLASTX:Wheat
Start	977	End	1330
GI	none	Score	73
Exons	977..1330, 978..1076		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81419	Strand	-
Start	977	End	1962
Name	OJ000118_11.0307.C4.o1.tm	Method	TBLASTX:Maize
Start	1067	End	1538
GI	none	Score	97
Exons	1067..1144, 1166..1537, 1337..1531, 1347..1538		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81419	Strand	
Start	977	End	1962
Name	OJ000118_11.0307.C4.o2.tw	Method	TBLASTX:Wheat
Start	1436	End	1956
GI	none	Score	174
Exons	1436..1534, 1613..1738, 1690..1956		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81419	Strand	
Start	977	End	1962
Name	OJ000118_11.0307.C4.o1.ts	Method	TBLASTX:Soybean
Start	1610	End	1957
GI	none	Score	84
Exons	1610..1714, 1690..1797, 1783..1950, 1811..1957		

Seq. No.	39433	Seq. ID	OJ000118_11.0307.C4
Gene No.	81419	Strand	
Start	977	End	1962
Name	OJ000118_11.0307.C4.o2.tm	Method	TBLASTX:Maize
Start	1742	End	1962
GI	none	Score	197
Exons	1742..1960, 1759..1962		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81420	Strand	+
Start	6492	End	14678
Name	OJ000118_11.0307.C5.o2.gs	Method	GENSCAN
Start	6492	End	14678
GI	none	Score	.57
Exons	6492..6580, 7371..7868, 7886..8446, 9158..9511, 14597..14678		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81421	Strand	-
Start	23	End	9445
Name	OJ000118_11.0307.C5.o1.tm	Method	TBLASTX:Maize
Start	5	End	250
GI	none	Score	263
Exons	5..250, 6..242		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81421	Strand	-
Start	23	End	9445
Name	OJ000118_11.0307.C5.o3.tw	Method	TBLASTX:Wheat
Start	10	End	286
GI	none	Score	115
Exons	10..219, 11..286, 12..254		

Seq. No.	39434	Seq. ID	OJ000118_11.0307.C5
Gene No.	81421	Strand	-
Start	23	End	9445
Name	OJ000118_11.0307.C5.o1.gs	Method	GENSCAN
Start	23	End	5168
GI	none	Score	.5
Exons	23..310, 485..1899, 2012..4069, 4103..4412, 4503..5168		

Seq. No. 39434
 Gene No. 81421
 Start 23
 Name OJ000118_11.0307.C5.o2.tm
 Start 425
 GI none
 Exons 425..610, 438..602

Seq. ID OJ000118_11.0307.C5
 Strand -
 End 9445
 Method TBLASTX:Maize
 End 610
 Score 144

Seq. No. 39434
 Gene No. 81421
 Start 23
 Name OJ000118_11.0307.C5.o2.tw
 Start 617
 GI none
 Exons 617..1027, 627..797

Seq. ID OJ000118_11.0307.C5
 Strand -
 End 9445
 Method TBLASTX:Wheat
 End 1027
 Score 106

Seq. No. 39434
 Gene No. 81421
 Start 23
 Name OJ000118_11.0307.C5.o3.tm
 Start 716
 GI none
 Exons 716..880, 732..881, 965..1177, 1208..1249

Seq. ID OJ000118_11.0307.C5
 Strand -
 End 9445
 Method TBLASTX:Maize
 End 1249
 Score 64

Seq. No. 39434
 Gene No. 81421
 Start 23
 Name OJ000118_11.0307.C5.o1.tw
 Start 1248
 GI none
 Exons 1248..1430, 1250..1474, 1258..1467, 1391..1504, 1454..1600, 1488..1604

Seq. ID OJ000118_11.0307.C5
 Strand -
 End 9445
 Method TBLASTX:Wheat
 End 1604
 Score 141

Seq. No. 39434
 Gene No. 81421
 Start 23
 Name OJ000118_11.0307.C5.o2.np
 Start 4140
 GI 7508657
 Exons 4140..4253, 7808..7988, 8117..8293, 9024..9153, 9212..9445
 GI Descrip. hypothetical protein T28C6.1 - Caenorhabditis elegans
 gi|3880303|emb|CAA90992.1| (Z54238) T28C6.1 [Caenorhabditis elegans]

Seq. ID OJ000118_11.0307.C5
 Strand -
 End 9445
 Method AAT/NAP
 End 9445
 Score 187

Seq. No. 39435
 Gene No. 81422
 Start 257
 Name OJ000118_11.0307.C6.o1.gs
 Start 257
 GI none
 Exons 257..456, 1468..1606

Seq. ID OJ000118_11.0307.C6
 Strand +
 End 1606
 Method GENSCAN
 End 1606
 Score .4

Seq. No. 39435
 Gene No. 81423
 Start 3453
 Name OJ000118_11.0307.C6.o1.np
 Start 3453

Seq. ID OJ000118_11.0307.C6
 Strand +
 End 7119
 Method AAT/NAP
 End 7119

GI 7489779 Score 1003
 Exons 3453..3641, 3675..3871, 3974..3999, 4120..4150, 4234..4321, 4433..4578, 5185..5229, 5320..5423, 5517..5656, 6097..6198, 6913..7119

GI Descrip. indeterminate spikelet 1 - maize gi|2944040|gb|AAC05206.1| (AF048900) indeterminate spikelet 1 [Zea mays]

Seq. No. 39435 Seq. ID OJ000118_11.0307.C6
 Gene No. 81424 Strand +
 Start 14080 End 23049
 Name OJ000118_11.0307.C6.o4.gs Method GENSCAN
 Start 14080 End 23049
 GI none Score .53
 Exons 14080..14096, 15804..15968, 16024..16125, 16172..16342, 21407..21641, 21763..21858, 22906..23049

Seq. No. 39435 Seq. ID OJ000118_11.0307.C6
 Gene No. 81424 Strand +
 Start 14080 End 23049
 Name OJ000118_11.0307.C6.o2.np Method AAT/NAP
 Start 21245 End 21667
 GI 3789948 Score 547
 Exons 21245..21667
 GI Descrip. (AF094773) translation initiation factor 5A [Oryza sativa]

Seq. No. 39435 Seq. ID OJ000118_11.0307.C6
 Gene No. 81425 Strand +
 Start 23380 End 24526
 Name OJ000118_11.0307.C6.o5.gs Method GENSCAN
 Start 23380 End 24526
 GI none Score .83
 Exons 23380..23385, 24113..24271, 24446..24526

Seq. No. 39435 Seq. ID OJ000118_11.0307.C6
 Gene No. 81426 Strand +
 Start 26012 End 33382
 Name OJ000118_11.0307.C6.o6.gs Method GENSCAN
 Start 26012 End 30251
 GI none Score .4
 Exons 26012..26077, 26694..26966, 27229..27480, 27510..28366, 28468..29951, 29971..30111, 30184..30251

Seq. No. 39435 Seq. ID OJ000118_11.0307.C6
 Gene No. 81426 Strand +
 Start 26012 End 33382
 Name OJ000118_11.0307.C6.o4.np Method AAT/NAP
 Start 26759 End 30248
 GI 4680180 Score 139
 Exons 26759..26786, 29886..30248
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No. 39435 Seq. ID OJ000118_11.0307.C6
 Gene No. 81426 Strand +
 Start 26012 End 33382
 Name OJ000118_11.0307.C6.o3.np Method AAT/NAP
 Start 26780 End 33382
 GI 4378066 Score 769

Exons 26780..26976, 27046..27176, 27681..29923, 33362..33382
 GI Descrip. (AF098806) polyprotein [Sorghum bicolor]
 gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein
 [Sorghum bicolor]

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81427	Strand	+
Start	42472	End	45615
Name	OJ000118_11.0307.C6.o8.gs	Method	GENSCAN
Start	42472	End	45615
GI	none	Score	.94
Exons	42472..42484, 42621..42993, 45456..45615		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81428	Strand	+
Start	45888	End	46767
Name	OJ000118_11.0307.C6.o9.gs	Method	GENSCAN
Start	45888	End	46767
GI	none	Score	.9
Exons	45888..45950, 46006..46179, 46645..46767		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81429	Strand	+
Start	47167	End	48261
Name	OJ000118_11.0307.C6.o7.np	Method	AAT/NAP
Start	47167	End	48261
GI	6815053	Score	666
Exons	47167..47313, 47813..47988, 48025..48261		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81430	Strand	+
Start	52481	End	53742
Name	OJ000118_11.0307.C6.o11.gs	Method	GENSCAN
Start	52481	End	53742
GI	none	Score	.41
Exons	52481..52528, 52848..52967, 53638..53742		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81431	Strand	-
Start	6271	End	11014
Name	OJ000118_11.0307.C6.o3.gs	Method	GENSCAN
Start	6271	End	11014
GI	none	Score	.43
Exons	6271..6374, 6926..7036, 7165..7361, 10386..10576, 10889..11014		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81431	Strand	-
Start	6271	End	11014
Name	OJ000118_11.0307.C6.o1.gp	Method	AAT/GAP
Start	7076	End	7393
GI	none	Score	610
Exons	7076..7393		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81432	Strand	-
Start	30847	End	41055

Name	OJ000118_11.0307.C6.o7.gs	Method	GENSCAN
Start	30847	End	40979
GI	none	Score	.52
Exons	30847..30945, 31195..31284, 31609..31925, 31957..32114, 32228..32391, 32488..33449, 33562..33637, 33710..34102, 34118..34447, 34882..34955, 35548..35598, 36606..36659, 37359..37594, 40164..40276, 40464..40979		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81432	Strand	-
Start	30847	End	41055
Name	OJ000118_11.0307.C6.o3.gp	Method	AAT/GAP
Start	38496	End	38980
GI	none	Score	596
Exons	38496..38517, 38652..38980		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81432	Strand	-
Start	30847	End	41055
Name	OJ000118_11.0307.C6.o4.gp	Method	AAT/GAP
Start	39350	End	39784
GI	7727_1.R1084	Score	814
Exons	39350..39784		
GI Descrip.	'5295936/dbj AB026295.2 AB026295 3.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81432	Strand	-
Start	30847	End	41055
Name	OJ000118_11.0307.C6.o5.gp	Method	AAT/GAP
Start	40782	End	41055
GI	3061002	Score	462
Exons	40782..41055		
GI Descrip.	5295936/dbj AB026295.2 AB026295 3.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81433	Strand	-
Start	40990	End	43023
Name	OJ000118_11.0307.C6.o5.np	Method	AAT/NAP
Start	40990	End	43023
GI	5852080	Score	555
Exons	40990..41039, 42624..43023		
GI Descrip.	(AL117264) zwh0003.1 [Oryza sativa]		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81434	Strand	-
Start	44462	End	47658
Name	OJ000118_11.0307.C6.o6.np	Method	AAT/NAP
Start	44462	End	47658
GI	7339701	Score	41
Exons	44462..44533, 45635..45718, 47617..47658		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566

Name	OJ000118_11.0307.C6.o1.tc	Method	TBLASTX:Cress
Start	3779	End	5437
GI	none	Score	91
Exons	3779..3874, 3828..3872, 3974..4000, 3975..4001, 4115..4147, 4128..4151, 4232..4324, 4232..4315, 4240..4320, 4410..4580, 4430..4582, 4432..4584, 4433..4579, 4444..4581, 5183..5230, 5183..5230, 5185..5229, 5276..5413, 5309..5437, 5317..5409		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o2.ts	Method	TBLASTX:Soybean
Start	3779	End	5427
GI	none	Score	91
Exons	3779..3874, 3828..3872, 3974..4000, 3975..4001, 4115..4150, 4128..4151, 4231..4389, 4232..4324, 4232..4315, 4432..4560, 4432..4581, 4433..4579, 5170..5229, 5183..5230, 5183..5230, 5276..5422, 5309..5401, 5317..5427		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o2.tm	Method	TBLASTX:Maize
Start	3782	End	5566
GI	none	Score	91
Exons	3782..3874, 3828..3872, 3974..4000, 3975..4001, 4115..4150, 4128..4151, 4231..4320, 4232..4324, 4232..4315, 4416..4580, 4432..4581, 4433..4579, 5170..5229, 5183..5230, 5183..5230, 5276..5404, 5309..5401, 5317..5415, 5531..5566		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o1.ts	Method	TBLASTX:Soybean
Start	21227	End	35680
GI	none	Score	36
Exons	21227..21265, 21232..21291, 21257..21292, 21284..21412, 21286..21411, 21368..21490, 21404..21445, 21441..21530, 21490..21627, 21492..21638, 21492..21629, 21625..21666, 21626..21664, 26023..26055, 26024..26056, 26058..26102, 26092..26121, 26093..26122, 35386..35451, 35405..35440, 35443..35484, 35444..35494, 35479..35529, 35480..35569, 35531..35590, 35531..35590, 35615..35680, 35639..35680		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o2.tc	Method	TBLASTX:Cress
Start	21230	End	35680
GI	none	Score	35
Exons	21230..21289, 21284..21439, 21286..21411, 21296..21412, 21404..21445, 21406..21441, 21408..21446, 21441..21488, 21446..21490, 21449..21487, 21492..21638, 21508..21588, 21625..21666, 21626..21664, 26009..26044, 26058..26102, 26093..26122, 35443..35484, 35447..35485, 35480..35527, 35488..35526, 35531..35590, 35615..35680		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o1.tm	Method	TBLASTX:Maize
Start	21235	End	35686
GI	none	Score	79
Exons	21235..21291, 21237..21290, 21238..21291, 21239..21292, 21284..21412, 21286..21411, 21404..21445, 21406..21447, 21435..21530, 21441..21530, 21490..21627, 21491..21628, 21492..21638, 21492..21629, 21572..21661, 21625..21666, 21626..21664, 26008..26055, 26009..26056, 26058..26102, 26092..26121, 26093..26122, 35385..35450, 35386..35478, 35443..35484, 35447..35485, 35480..35569, 35531..35590, 35531..35590, 35630..35686, 35639..35683		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o1.tw	Method	TBLASTX:Wheat
Start	21245	End	35635
GI	none	Score	63
Exons	21245..21292, 21284..21412, 21286..21411, 21404..21445, 21406..21441, 21441..21488, 21478..21627, 21483..21638, 21566..21628, 21625..21657, 21626..21658, 25985..26056, 26008..26052, 26047..26091, 26048..26089, 26092..26121, 26093..26122, 35402..35443, 35443..35484, 35444..35485, 35479..35526, 35480..35527, 35522..35608, 35576..35635, 35606..35635		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o4.tw	Method	TBLASTX:Wheat
Start	27879	End	28169
GI	none	Score	182
Exons	27879..28169		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o3.tw	Method	TBLASTX:Wheat
Start	29018	End	29377
GI	none	Score	84
Exons	29018..29149, 29155..29376, 29156..29377		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o2.tw	Method	TBLASTX:Wheat
Start	29582	End	29929
GI	none	Score	341
Exons	29582..29929, 29608..29925		

Seq. No.	39435	Seq. ID	OJ000118_11.0307.C6
Gene No.	81435	Strand	-
Start	47884	End	51566
Name	OJ000118_11.0307.C6.o3.tm	Method	TBLASTX:Maize

Start 29710
 GI none
 Exons 29710..29922, 29711..29929

End 29929
 Score 276

Seq. No. 39435
 Gene No. 81435
 Start 47884
 Name OJ000118_11.0307.C6.o5.tm
 Start 29937
 GI none
 Exons 29937..30197, 30005..30172

Seq. ID OJ000118_11.0307.C6
 Strand -
 End 51566
 Method TBLASTX:Maize
 End 30197
 Score 190

Seq. No. 39435
 Gene No. 81435
 Start 47884
 Name OJ000118_11.0307.C6.o4.tm
 Start 41202
 GI none
 Exons 41202..41330, 41222..41362,

Seq. ID OJ000118_11.0307.C6
 Strand -
 End 51566
 Method TBLASTX:Maize
 End 42190
 Score 66

41225..41329, 41225..41338,
 41232..41321, 41240..41332, 41243..41362, 41253..41327,
 41300..41359, 41351..41470, 41355..41477, 41358..41480,
 41367..41480, 41373..41480, 41375..41488, 41385..41480,
 41396..41488, 41397..41480, 41401..41484, 41404..41493,
 41495..41653, 41530..41640, 41534..41638, 41534..41641,
 41564..41641, 41564..41641, 41697..41765, 41702..41854,
 41705..41854, 41714..41863, 41716..41853, 41717..41866,
 41729..41848, 41741..41887, 41748..41858, 41758..41862,
 41876..42031, 41879..42028, 41910..41984, 41911..42012,
 41911..42018, 41917..42003, 42025..42180, 42059..42187,
 42062..42190

Seq. No. 39435
 Gene No. 81435
 Start 47884
 Name OJ000118_11.0307.C6.o10.gs
 Start 47884
 GI none
 Exons 47884..47957, 49686..49719, 50482..50582, 50595..50651,

Seq. ID OJ000118_11.0307.C6
 Strand -
 End 51566
 Method GENSCAN
 End 51566
 Score .74
 49810..50034, 50172..50214, 51516..51566

Seq. No. 39436
 Gene No. 81436
 Start 1
 Name OJ000118_11.0307.C7.o1.np
 Start 1
 GI 7339719
 Exons 1..65, 1530..1634
 GI Descrip. (AP001539) hypothetical protein [Oryza sativa]

Seq. ID OJ000118_11.0307.C7
 Strand +
 End 5832
 Method AAT/NAP
 End 1634
 Score 82

Seq. No. 39436
 Gene No. 81436
 Start 1
 Name OJ000118_11.0307.C7.o1.gs
 Start 217
 GI none
 Exons 217..320, 2632..2768, 5293..5433, 5702..5832

Seq. ID OJ000118_11.0307.C7
 Strand +
 End 5832
 Method GENSCAN
 End 5832
 Score .86

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81437	Strand	+
Start	6521	End	7007
Name	OJ000118_11.0307.C7.o1.gp	Method	AAT/GAP
Start	6521	End	7007
GI	uC-osflcyp134h05a1	Score	974
Exons	6521..7007		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81438	Strand	-
Start	6031	End	7937
Name	OJ000118_11.0307.C7.o2.tm	Method	TBLASTX:Maize
Start	1685	End	2468
GI	none	Score	43
Exons	1685..1774, 1687..1809, 1692..1808, 1693..1809, 1693..1830, 1694..1816, 1788..1919, 1795..1917, 1806..1925, 1807..1920, 1813..1920, 1821..1928, 1821..1925, 1848..1913, 1955..2095, 1961..2080, 1961..2080, 1973..2074, 1975..2076, 1977..2129, 1977..2126, 1983..2078, 2064..2156, 2118..2210, 2118..2180, 2153..2311, 2154..2303, 2157..2297, 2159..2305, 2168..2302, 2175..2312, 2190..2303, 2191..2319, 2192..2323, 2195..2302, 2324..2431, 2346..2447, 2346..2447, 2349..2468, 2351..2434, 2355..2432, 2355..2450, 2356..2433		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81438	Strand	-
Start	6031	End	7937
Name	OJ000118_11.0307.C7.o2.np	Method	AAT/NAP
Start	6031	End	7937
GI	2130125	Score	399
Exons	6031..6103, 7401..7937		
GI Descrip.	DNA-binding protein Dof3 - maize (fragment) gi 1061308 emb CAA56288 (X79935) Dof3 gene [Zea mays]		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81438	Strand	-
Start	6031	End	7937
Name	OJ000118_11.0307.C7.o1.ts	Method	TBLASTX:Soybean
Start	7652	End	7910
GI	none	Score	139
Exons	7652..7909, 7761..7910		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81438	Strand	-
Start	6031	End	7937
Name	OJ000118_11.0307.C7.o1.tc	Method	TBLASTX:Cress
Start	7655	End	7933
GI	none	Score	104
Exons	7655..7933, 7761..7895		

Seq. No.	39436	Seq. ID	OJ000118_11.0307.C7
Gene No.	81438	Strand	-
Start	6031	End	7937
Name	OJ000118_11.0307.C7.o1.tm	Method	TBLASTX:Maize
Start	7658	End	7906

GI	none	Score	81
Exons	7658..7906, 7761..7862		
Seq. No.	39437	Seq. ID	OJ000118_11.0307.C8
Gene No.	81439	Strand	+
Start	749	End	4611
Name	OJ000118_11.0307.C8.o1.gs	Method	GENSCAN
Start	749	End	4611
GI	none	Score	.61
Exons	749..800, 2464..2595, 4514..4611		
Seq. No.	39437	Seq. ID	OJ000118_11.0307.C8
Gene No.	81439	Strand	+
Start	749	End	4611
Name	OJ000118_11.0307.C8.o1.gp	Method	AAT/GAP
Start	1326	End	1413
GI	LIB3477-003-P1-K1-E9	Score	124
Exons	1326..1413		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	39437	Seq. ID	OJ000118_11.0307.C8
Gene No.	81440	Strand	-
Start	5013	End	8328
Name	OJ000118_11.0307.C8.o2.gs	Method	GENSCAN
Start	5013	End	8328
GI	none	Score	.55
Exons	5013..5041, 8289..8328		
Seq. No.	39438	Seq. ID	OJ000208_15.0313.C1
Gene No.	81441	Strand	+
Start	311	End	605
Name	OJ000208_15.0313.C1.o1.gp	Method	AAT/GAP
Start	311	End	574
GI	LIB3433-055-P1-K1-B12	Score	474
Exons	311..574		
GI Descrip.	'5670155/gb AF161269.1 AF161269 0.0e+00 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	39438	Seq. ID	OJ000208_15.0313.C1
Gene No.	81441	Strand	+
Start	311	End	605
Name	OJ000208_15.0313.C1.o1.tm	Method	TBLASTX:Maize
Start	372	End	605
GI	none	Score	192
Exons	372..605, 431..568		
Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81442	Strand	+
Start	681	End	7574
Name	OJ000208_15.0313.C2.o2.np	Method	AAT/NAP
Start	681	End	4889
GI	5295966	Score	491
Exons	681..708, 3349..3464, 4076..4648, 4700..4889		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81442	Strand	+
Start	681	End	7574
Name	OJ000208_15.0313.C2.o1.gs	Method	GENSCAN
Start	1165	End	1735
GI	none	Score	.99
Exons	1165..1183, 1303..1460, 1631..1735		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81442	Strand	+
Start	681	End	7574
Name	OJ000208_15.0313.C2.o2.gs	Method	GENSCAN
Start	2504	End	5960
GI	none	Score	.4
Exons	2504..2578, 3009..3464, 4185..4783, 5599..5799, 5900..5960		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81442	Strand	+
Start	681	End	7574
Name	OJ000208_15.0313.C2.o3.np	Method	AAT/NAP
Start	5591	End	7574
GI	6539570	Score	238
Exons	5591..5791, 5961..6026, 6647..6951, 7544..7574		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81443	Strand	+
Start	8694	End	9557
Name	OJ000208_15.0313.C2.o4.gs	Method	GENSCAN
Start	8694	End	9557
GI	none	Score	.88
Exons	8694..9557		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81444	Strand	-
Start	984	End	5795
Name	OJ000208_15.0313.C2.o1.np	Method	AAT/NAP
Start	984	End	5795
GI	6069646	Score	200
Exons	984..1239, 5739..5795		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81445	Strand	-
Start	6643	End	7026
Name	OJ000208_15.0313.C2.o1.tm	Method	TBLASTX:Maize
Start	4066	End	4790
GI	none	Score	154
Exons	4066..4176, 4067..4228, 4230..4607, 4250..4585, 4710..4790		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81445	Strand	-

Start	6643	End	7026
Name	OJ000208_15.0313.C2.o1.tc	Method	TBLASTX:Cress
Start	4107	End	4580
GI	none	Score	36
Exons	4107..4160, 4148..4228, 4230..4385, 4434..4580		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81445	Strand	-
Start	6643	End	7026
Name	OJ000208_15.0313.C2.o1.tw	Method	TBLASTX:Wheat
Start	4148	End	4571
GI	none	Score	61
Exons	4148..4210, 4200..4382, 4292..4381, 4394..4540, 4395..4571		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81445	Strand	-
Start	6643	End	7026
Name	OJ000208_15.0313.C2.o1.ts	Method	TBLASTX:Soybean
Start	4230	End	4559
GI	none	Score	251
Exons	4230..4559, 4427..4555		

Seq. No.	39439	Seq. ID	OJ000208_15.0313.C2
Gene No.	81445	Strand	-
Start	6643	End	7026
Name	OJ000208_15.0313.C2.o3.gs	Method	GENSCAN
Start	6643	End	7026
GI	none	Score	.91
Exons	6643..7026		

Seq. No.	39440	Seq. ID	OJ000208_15.0313.C3
Gene No.	81446	Strand	-
Start	1665	End	1796
Name	OJ000208_15.0313.C3.o2.gs	Method	GENSCAN
Start	1665	End	1796
GI	none	Score	.5
Exons	1665..1796		

Seq. No.	39441	Seq. ID	OJ000208_15.0313.C6
Gene No.	81447	Strand	+
Start	595	End	690
Name	OJ000208_15.0313.C6.o1.gs	Method	GENSCAN
Start	595	End	690
GI	none	Score	.43
Exons	595..690		

Seq. No.	39442	Seq. ID	OJ000208_15.0313.C7
Gene No.	81448	Strand	+
Start	124	End	980
Name	OJ000208_15.0313.C7.o1.gs	Method	GENSCAN
Start	124	End	927
GI	none	Score	.95
Exons	124..927		

Seq. No.	39442	Seq. ID	OJ000208_15.0313.C7
Gene No.	81448	Strand	+
Start	124	End	980

Name	OJ000208_15.0313.C7.o1.np	Method	AAT/NAP
Start	147	End	643
GI	5295966	Score	137
Exons	147..643		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	39442	Seq. ID	OJ000208_15.0313.C7
Gene No.	81448	Strand	+
Start	124	End	980
Name	OJ000208_15.0313.C7.o1.gp	Method	AAT/GAP
Start	479	End	980
GI	none	Score	950
Exons	479..980		

Seq. No.	39442	Seq. ID	OJ000208_15.0313.C7
Gene No.	81449	Strand	-
Start	2192	End	2617
Name	OJ000208_15.0313.C7.o1.tm	Method	TBLASTX:Maize
Start	103	End	447
GI	none	Score	75
Exons	103..219, 277..447, 303..446		

Seq. No.	39442	Seq. ID	OJ000208_15.0313.C7
Gene No.	81449	Strand	-
Start	2192	End	2617
Name	OJ000208_15.0313.C7.o2.gs	Method	GENSCAN
Start	2192	End	2617
GI	none	Score	.96
Exons	2192..2617		

Seq. No.	39443	Seq. ID	OJ000208_15.0313.C8
Gene No.	81450	Strand	+
Start	1	End	2097
Name	OJ000208_15.0313.C8.o1.np	Method	AAT/NAP
Start	1	End	1745
GI	5295966	Score	167
Exons	1..51, 1444..1745		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	39443	Seq. ID	OJ000208_15.0313.C8
Gene No.	81450	Strand	+
Start	1	End	2097
Name	OJ000208_15.0313.C8.o1.gs	Method	GENSCAN
Start	479	End	2097
GI	none	Score	.82
Exons	479..531, 673..862, 1004..1149, 1193..1236, 1442..2097		

Seq. No.	39443	Seq. ID	OJ000208_15.0313.C8
Gene No.	81450	Strand	+
Start	1	End	2097
Name	OJ000208_15.0313.C8.o1.gp	Method	AAT/GAP
Start	1101	End	1764
GI	LIB3433-058-P1-K1-D2	Score	839
Exons	1101..1236, 1456..1764		
GI Descrip.	'5295966/dbj BAA81867.1 2.0e-21 (AB026295) Similar to Glycine		

max gmsti mRNA.(X79770) [Oryza sativa]'

Seq. No.	39443	Seq. ID	OJ000208_15.0313.C8
Gene No.	81451	Strand	+
Start	2045	End	2145
Name	OJ000208_15.0313.C8.o1.tm	Method	TBLASTX:Maize
Start	1429	End	1845
GI	none	Score	98
Exons	1429..1572, 1578..1736, 1579..1737, 1792..1845		

Seq. No.	39443	Seq. ID	OJ000208_15.0313.C8
Gene No.	81451	Strand	+
Start	2045	End	2145
Name	OJ000208_15.0313.C8.o2.gp	Method	AAT/GAP
Start	2045	End	2145
GI	3107036	Score	158
Exons	2045..2145		

Seq. No.	39444	Seq. ID	OJ000208_15.0313.C9
Gene No.	81452	Strand	-
Start	94	End	1424
Name	OJ000208_15.0313.C9.o1.gs	Method	GENSCAN
Start	94	End	1369
GI	none	Score	.47
Exons	94..191, 393..1369		

Seq. No.	39444	Seq. ID	OJ000208_15.0313.C9
Gene No.	81452	Strand	-
Start	94	End	1424
Name	OJ000208_15.0313.C9.o1.np	Method	AAT/NAP
Start	125	End	1424
GI	5032279	Score	411
Exons	125..369, 489..705, 769..1424		
GI Descrip.	(AF147264) may be a pseudogene [Arabidopsis thaliana] gi 7267351 emb CAB81124.1 (AL161506) putative transposon protein [Arabidopsis thaliana]		

Seq. No.	39444	Seq. ID	OJ000208_15.0313.C9
Gene No.	81452	Strand	-
Start	94	End	1424
Name	OJ000208_15.0313.C9.o1.ts	Method	TBLASTX:Soybean
Start	146	End	430
GI	none	Score	41
Exons	146..196, 192..362, 368..430		

Seq. No.	39444	Seq. ID	OJ000208_15.0313.C9
Gene No.	81452	Strand	-
Start	94	End	1424
Name	OJ000208_15.0313.C9.o1.tm	Method	TBLASTX:Maize
Start	155	End	1423
GI	none	Score	80
Exons	155..196, 192..356, 220..357, 1022..1336, 1373..1423		

Seq. No.	39444	Seq. ID	OJ000208_15.0313.C9
Gene No.	81452	Strand	-
Start	94	End	1424
Name	OJ000208_15.0313.C9.o1.tw	Method	TBLASTX:Wheat

Start 1058
 GI none
 Exons 1058..1315, 1058..1315

End 1315
 Score 76

Seq. No. 39445
 Gene No. 81453
 Start 1574
 Name OJ000208_15.0313.C11.o1.gs
 Start 1574
 GI none
 Exons 1574..1693, 1698..1806

Seq. ID OJ000208_15.0313.C11
 Strand +
 End 1806
 Method GENSCAN
 End 1806
 Score .42

Seq. No. 39446
 Gene No. 81454
 Start 1
 Name OJ000208_15.0313.C12.o1.np
 Start 1
 GI 6069646
 Exons 1..20, 1729..2122

Seq. ID OJ000208_15.0313.C12
 Strand +
 End 3868
 Method AAT/NAP
 End 2122
 Score 152

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 39446
 Gene No. 81454
 Start 1
 Name OJ000208_15.0313.C12.o1.gs
 Start 13
 GI none
 Exons 13..64, 1712..1929, 2463..2844, 2941..3107, 3226..3861

Seq. ID OJ000208_15.0313.C12
 Strand +
 End 3868
 Method GENSCAN
 End 3861
 Score .69

Seq. No. 39446
 Gene No. 81454
 Start 1
 Name OJ000208_15.0313.C12.o1.tm
 Start 1728
 GI none
 Exons 1728..1889, 1730..1888, 1890..2087

Seq. ID OJ000208_15.0313.C12
 Strand +
 End 3868
 Method TBLASTX:Maize
 End 2087
 Score 137

Seq. No. 39446
 Gene No. 81454
 Start 1
 Name OJ000208_15.0313.C12.o2.np
 Start 3319
 GI 7340723
 Exons 3319..3868

Seq. ID OJ000208_15.0313.C12
 Strand +
 End 3868
 Method AAT/NAP
 End 3868
 Score 188

GI Descrip. (AL162507) putative protein [Arabidopsis thaliana]

Seq. No. 39447
 Gene No. 81455
 Start 569
 Name OJ000208_15.0313.C13.o1.gs
 Start 569
 GI none
 Exons 569..673

Seq. ID OJ000208_15.0313.C13
 Strand +
 End 673
 Method GENSCAN
 End 673
 Score .87

Seq. No.	39447	Seq. ID	OJ000208_15.0313.C13
Gene No.	81456	Strand	-
Start	1	End	629
Name	OJ000208_15.0313.C13.o1.np	Method	AAT/NAP
Start	1	End	629
GI	5295966	Score	64
Exons	1..23, 498..629		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81457	Strand	+
Start	15756	End	16477
Name	OJ000208_15.0313.C15.o1.gp	Method	AAT/GAP
Start	15756	End	16477
GI	71605_1.R1084	Score	1406
Exons	15756..16477		
GI Descrip.	'4680339/gb AAD27630.1 AF128457_4 6.0e-16 (AF128457) hypothetical protein [Oryza sativa subsp. indica]'		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81458	Strand	+
Start	19892	End	27945
Name	OJ000208_15.0313.C15.o6.np	Method	AAT/NAP
Start	19892	End	24591
GI	4680186	Score	365
Exons	19892..19970, 21955..22112, 22701..22870, 24564..24591		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81458	Strand	+
Start	19892	End	27945
Name	OJ000208_15.0313.C15.o5.gs	Method	GENSCAN
Start	22669	End	27945
GI	none	Score	.66
Exons	22669..22695, 23046..23284, 23917..24014, 24402..24586, 24806..24987, 25080..25303, 25392..26278, 26471..27296, 27596..27685, 27795..27877, 27934..27945		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81459	Strand	+
Start	35968	End	36679
Name	OJ000208_15.0313.C15.o9.np	Method	AAT/NAP
Start	35968	End	36679
GI	5852175	Score	184
Exons	35968..36311, 36460..36679		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81459	Strand	+
Start	35968	End	36679
Name	OJ000208_15.0313.C15.o10.np	Method	AAT/NAP
Start	35977	End	36679
GI	4680184	Score	476
Exons	35977..36679		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81460	Strand	-
Start	3469	End	5683
Name	OJ000208_15.0313.C15.o2.np	Method	AAT/NAP
Start	3469	End	5637
GI	7302108	Score	57
Exons	3469..3493, 5399..5637		
GI Descrip.	(AE003780) CG2094 gene product [Drosophila melanogaster]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81460	Strand	-
Start	3469	End	5683
Name	OJ000208_15.0313.C15.o2.gs	Method	GENSCAN
Start	3651	End	5683
GI	none	Score	.63
Exons	3651..3850, 4376..4502, 5083..5286, 5342..5683		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81461	Strand	-
Start	15733	End	17952
Name	OJ000208_15.0313.C15.o4.gs	Method	GENSCAN
Start	15733	End	17952
GI	none	Score	.73
Exons	15733..17952		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81461	Strand	-
Start	15733	End	17952
Name	OJ000208_15.0313.C15.o4.np	Method	AAT/NAP
Start	15742	End	16031
GI	4680339	Score	232
Exons	15742..16031		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81461	Strand	-
Start	15733	End	17952
Name	OJ000208_15.0313.C15.o5.np	Method	AAT/NAP
Start	15742	End	17311
GI	4680339	Score	242
Exons	15742..16051, 17271..17311		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o4.tm	Method	TBLASTX:Maize
Start	2408	End	29898
GI	none	Score	133
Exons	2408..2623, 29632..29898, 29633..29791		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o4.tw	Method	TBLASTX:Wheat
Start	2408	End	29790

GI	none	Score	87
Exons	2408..2566, 2603..2707, 2702..2755, 29401..29790, 29486..29524, 29579..29746		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o2.ts	Method	TBLASTX:Soybean
Start	2597	End	29628
GI	none	Score	68
Exons	2597..2683, 2702..2923, 29254..29478, 29485..29628		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o3.tm	Method	TBLASTX:Maize
Start	2663	End	29631
GI	none	Score	141
Exons	2663..2902, 29269..29631, 29270..29539		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o5.tm	Method	TBLASTX:Maize
Start	8206	End	16284
GI	none	Score	35
Exons	8206..8229, 8257..8391, 8407..8487, 8576..8737, 8590..8727, 15802..15966, 16060..16131, 16180..16284		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o7.np	Method	AAT/NAP
Start	28679	End	32599
GI	7489805	Score	3095
Exons	28679..32599		
GI Descrip.	polyprotein - maize retrotransposon Cinfu1-1 gi 4206306 gb AAD11615.1 (AF049110) prpol [Zea mays]		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o8.tw	Method	TBLASTX:Wheat
Start	28691	End	29283
GI	none	Score	90
Exons	28691..28813, 28940..29137, 29164..29283		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o6.tm	Method	TBLASTX:Maize
Start	28730	End	28993
GI	none	Score	85
Exons	28730..28993, 28755..28889		

Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-

Start 28679
Name OJ000208_15.0313.C15.o3.tw
Start 30098
GI none
Exons 30098..30529, 30105..30389

End 36508
Method TBLASTX:Wheat
End 30529
Score 137

Seq. No. 39448
Gene No. 81462
Start 28679
Name OJ000208_15.0313.C15.o3.ts
Start 30173
GI none
Exons 30173..30394, 30174..30521, 30434..30532

Seq. ID OJ000208_15.0313.C15
Strand -
End 36508
Method TBLASTX:Soybean
End 30532
Score 99

Seq. No. 39448
Gene No. 81462
Start 28679
Name OJ000208_15.0313.C15.o1.ts
Start 30780
GI none
Exons 30780..30872, 30797..31180, 30987..31130

Seq. ID OJ000208_15.0313.C15
Strand -
End 36508
Method TBLASTX:Soybean
End 31180
Score 47

Seq. No. 39448
Gene No. 81462
Start 28679
Name OJ000208_15.0313.C15.o6.tw
Start 30812
GI none
Exons 30812..31021, 30912..31016

Seq. ID OJ000208_15.0313.C15
Strand -
End 36508
Method TBLASTX:Wheat
End 31021
Score 71

Seq. No. 39448
Gene No. 81462
Start 28679
Name OJ000208_15.0313.C15.o2.tm
Start 30899
GI none
Exons 30899..31282, 30912..31172, 30947..31261

Seq. ID OJ000208_15.0313.C15
Strand -
End 36508
Method TBLASTX:Maize
End 31282
Score 191

Seq. No. 39448
Gene No. 81462
Start 28679
Name OJ000208_15.0313.C15.o1.tw
Start 31022
GI none
Exons 31022..31438, 31023..31172, 31025..31429, 31272..31439

Seq. ID OJ000208_15.0313.C15
Strand -
End 36508
Method TBLASTX:Wheat
End 31439
Score 110

Seq. No. 39448
Gene No. 81462
Start 28679
Name OJ000208_15.0313.C15.o1.tm
Start 31310
GI none
Exons 31310..31666, 31311..31667

Seq. ID OJ000208_15.0313.C15
Strand -
End 36508
Method TBLASTX:Maize
End 31667
Score 237

Seq. No. 39448
Gene No. 81462
Start 28679

Seq. ID OJ000208_15.0313.C15
Strand -
End 36508

Name	OJ000208_15.0313.C15.o2.tw	Method	TBLASTX:Wheat
Start	31440	End	31771
GI	none	Score	225
Exons	31440..31769, 31442..31771, 31442..31771		
Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o5.tw	Method	TBLASTX:Wheat
Start	32000	End	32359
GI	none	Score	107
Exons	32000..32221, 32001..32222, 32228..32359		
Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o7.gs	Method	GENSCAN
Start	32108	End	36508
GI	none	Score	.72
Exons	32108..32689, 32744..32833, 32884..33138, 33401..33483, 33592..33802, 33937..34206, 34241..34377, 34529..34756, 35190..35327, 35973..36136, 36314..36508		
Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o7.tw	Method	TBLASTX:Wheat
Start	33200	End	33574
GI	none	Score	192
Exons	33200..33574		
Seq. No.	39448	Seq. ID	OJ000208_15.0313.C15
Gene No.	81462	Strand	-
Start	28679	End	36508
Name	OJ000208_15.0313.C15.o7.tm	Method	TBLASTX:Maize
Start	33287	End	33556
GI	none	Score	188
Exons	33287..33556		
Seq. No.	39449	Seq. ID	OJ000208_15.0313.C16
Gene No.	81463	Strand	-
Start	3176	End	6056
Name	OJ000208_15.0313.C16.o1.np	Method	AAT/NAP
Start	3176	End	6056
GI	6539570	Score	136
Exons	3176..3210, 4726..4888, 5034..5293, 5626..5712, 5847..6056		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	39450	Seq. ID	OJ000208_15.0313.C17
Gene No.	81464	Strand	+
Start	196	End	2369
Name	OJ000208_15.0313.C17.o1.gs	Method	GENSCAN
Start	196	End	2369
GI	none	Score	.64
Exons	196..1485, 1518..2369		
Seq. No.	39450	Seq. ID	OJ000208_15.0313.C17

Gene No.	81465	Strand	-
Start	2778	End	3331
Name	OJ000208_15.0313.C17.o1.tm	Method	TBLASTX:Maize
Start	510	End	852
GI	none	Score	65
Exons	510..611, 513..593, 514..597, 697..852, 706..840, 708..851		

Seq. No.	39450	Seq. ID	OJ000208_15.0313.C17
Gene No.	81465	Strand	-
Start	2778	End	3331
Name	OJ000208_15.0313.C17.o2.tm	Method	TBLASTX:Maize
Start	1432	End	1889
GI	none	Score	87
Exons	1432..1503, 1620..1889, 1679..1888		

Seq. No.	39450	Seq. ID	OJ000208_15.0313.C17
Gene No.	81465	Strand	-
Start	2778	End	3331
Name	OJ000208_15.0313.C17.o2.gs	Method	GENSCAN
Start	2778	End	3331
GI	none	Score	.49
Exons	2778..2981, 3196..3331		

Seq. No.	39451	Seq. ID	OJ000208_15.0313.C19
Gene No.	81466	Strand	+
Start	104	End	301
Name	OJ000208_15.0313.C19.o1.gs	Method	GENSCAN
Start	104	End	301
GI	none	Score	.95
Exons	104..301		

Seq. No.	39451	Seq. ID	OJ000208_15.0313.C19
Gene No.	81467	Strand	+
Start	536	End	1844
Name	OJ000208_15.0313.C19.o1.np	Method	AAT/NAP
Start	536	End	1844
GI	5777617	Score	77
Exons	536..566, 1747..1844		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39451	Seq. ID	OJ000208_15.0313.C19
Gene No.	81468	Strand	+
Start	2124	End	2651
Name	OJ000208_15.0313.C19.o1.gp	Method	AAT/GAP
Start	2124	End	2504
GI	2442584	Score	434
Exons	2124..2342, 2442..2504		

Seq. No.	39451	Seq. ID	OJ000208_15.0313.C19
Gene No.	81468	Strand	+
Start	2124	End	2651
Name	OJ000208_15.0313.C19.o2.gp	Method	AAT/GAP
Start	2270	End	2651
GI	2442584	Score	299
Exons	2270..2342, 2442..2478, 2576..2651		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
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Gene No.	81469	Strand	+
Start	686	End	2071
Name	OJ000208_15.0313.C20.o1.gs	Method	GENSCAN
Start	686	End	2071
GI	none	Score	.97
Exons	686..1160, 1443..1500, 1651..2071		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81470	Strand	+
Start	3753	End	3847
Name	OJ000208_15.0313.C20.o1.gp	Method	AAT/GAP
Start	3753	End	3847
GI	LIB3477-003-P1-K1-E9	Score	130
Exons	3753..3847		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81471	Strand	+
Start	4370	End	7588
Name	OJ000208_15.0313.C20.o2.np	Method	AAT/NAP
Start	4370	End	7588
GI	4680501	Score	269
Exons	4370..4469, 5721..6681, 7451..7588		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81472	Strand	+
Start	8167	End	8689
Name	OJ000208_15.0313.C20.o4.gs	Method	GENSCAN
Start	8167	End	8689
GI	none	Score	.4
Exons	8167..8274, 8528..8689		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81473	Strand	-
Start	1899	End	6421
Name	OJ000208_15.0313.C20.o2.tm	Method	TBLASTX:Maize
Start	1590	End	6421
GI	none	Score	108
Exons	1590..1661, 1591..1662, 1594..1665, 1673..1777, 1673..1768, 6284..6421		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81473	Strand	-
Start	1899	End	6421
Name	OJ000208_15.0313.C20.o1.np	Method	AAT/NAP
Start	1899	End	6234
GI	4539658	Score	249
Exons	1899..2055, 4493..4671, 4713..4839, 6166..6234		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	39452	Seq. ID	OJ000208_15.0313.C20
Gene No.	81473	Strand	-
Start	1899	End	6421

Name OJ000208_15.0313.C20.o2.gs
 Start 3902
 GI none
 Exons 3902..4096, 4623..4625

Method GENSCAN
 End 4625
 Score .76

Seq. No. 39452
 Gene No. 81473
 Start 1899
 Name OJ000208_15.0313.C20.o1.tm
 Start 4180
 GI none
 Exons 4180..4305, 4180..4308, 4184..4321, 4301..4324, 4334..4438, 4347..4451, 4693..4809, 4694..4819, 4694..4822, 4698..4835, 4807..4923, 4808..4936, 4815..4937, 4815..4937

Seq. ID OJ000208_15.0313.C20
 Strand -
 End 6421
 Method TBLASTX:Maize
 End 4937
 Score 96

Seq. No. 39453
 Gene No. 81474
 Start 1319
 Name OJ000208_15.0313.C21.o2.gs
 Start 1319
 GI none
 Exons 1319..1357, 2044..2109

Seq. ID OJ000208_15.0313.C21
 Strand +
 End 2109
 Method GENSCAN
 End 2109
 Score .84

Seq. No. 39453
 Gene No. 81475
 Start 14
 Name OJ000208_15.0313.C21.o1.gs
 Start 14
 GI none
 Exons 14..307

Seq. ID OJ000208_15.0313.C21
 Strand -
 End 307
 Method GENSCAN
 End 307
 Score .99

Seq. No. 39454
 Gene No. 81476
 Start 1678
 Name OJ000208_15.0313.C22.o1.gp
 Start 1678
 GI 3061174
 Exons 1678..1836, 1962..2265

Seq. ID OJ000208_15.0313.C22
 Strand +
 End 3445
 Method AAT/GAP
 End 2265
 Score 856

Seq. No. 39454
 Gene No. 81476
 Start 1678
 Name OJ000208_15.0313.C22.o1.gs
 Start 2010
 GI none
 Exons 2010..2526, 2950..3445

Seq. ID OJ000208_15.0313.C22
 Strand +
 End 3445
 Method GENSCAN
 End 3445
 Score .48

Seq. No. 39455
 Gene No. 81477
 Start 1
 Name OJ000118_16.0317.C1.o1.np
 Start 1
 GI 7228442
 Exons 1..1849, 1931..2262

Seq. ID OJ000118_16.0317.C1
 Strand -
 End 2262
 Method AAT/NAP
 End 2262
 Score 1389

GI Descrip. (AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]

Seq. No.	39455	Seq. ID	OJ000118_16.0317.C1
Gene No.	81477	Strand	-
Start	1	End	2262
Name	OJ000118_16.0317.C1.o1.tw	Method	TBLASTX:Wheat
Start	507	End	894
GI	none	Score	71
Exons	507..704, 584..670, 603..692, 649..696, 717..893, 744..893, 745..894		

Seq. No.	39455	Seq. ID	OJ000118_16.0317.C1
Gene No.	81477	Strand	-
Start	1	End	2262
Name	OJ000118_16.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	603	End	1185
GI	none	Score	44
Exons	603..683, 655..681, 723..1031, 727..1032, 1032..1184, 1063..1185		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o1.np	Method	AAT/NAP
Start	1	End	3976
GI	5852171	Score	1710
Exons	1..24, 1843..3976		
GI Descrip.	(AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o2.np	Method	AAT/NAP
Start	926	End	3858
GI	7486968	Score	384
Exons	926..957, 2003..2264, 2414..2656, 2810..3474, 3637..3858		
GI Descrip.	hypothetical protein T13K14.100 - Arabidopsis thaliana gi 5262784 emb CAB45889.1 (AL080282) putative protein [Arabidopsis thaliana] gi 7268891 emb CAB79094.1 (AL161554) putative protein [Arabidopsis thaliana]		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o1.gp	Method	AAT/GAP
Start	1790	End	2400
GI	2801240	Score	1105
Exons	1790..2400		
GI Descrip.	5852171/emb CAB55409.1 8.0e-48 (AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o1.gs	Method	GENSCAN
Start	1791	End	3866
GI	none	Score	.95
Exons	1791..3866		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	1908	End	3215
GI	none	Score	48
Exons	1908..2264, 2010..2264, 2074..2169, 2154..2264, 2598..2858, 2739..2924, 2739..2921, 2808..2921, 3105..3215		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o1.tc	Method	TBLASTX:Cress
Start	1953	End	3854
GI	none	Score	88
Exons	1953..2264, 2004..2264, 2004..2201, 2148..2273, 2436..2564, 2598..2681, 2598..2675, 2718..2924, 2739..2921, 2739..2921, 2742..2831, 3096..3215, 3105..3224, 3108..3311, 3390..3449, 3398..3430, 3639..3680, 3696..3830, 3699..3854		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	1959	End	3842
GI	none	Score	105
Exons	1959..2264, 1963..2265, 2154..2273, 2433..2564, 2721..2924, 2814..2924, 3105..3227, 3105..3215, 3384..3446, 3711..3842		

Seq. No.	39456	Seq. ID	OJ000118_16.0317.C2
Gene No.	81478	Strand	-
Start	1	End	3976
Name	OJ000118_16.0317.C2.o1.tw	Method	TBLASTX:Wheat
Start	1959	End	3227
GI	none	Score	82
Exons	1959..2282, 2011..2268, 2721..2921, 2814..2921, 2979..3077, 3096..3224, 3105..3227		

Seq. No.	39457	Seq. ID	OJ000118_16.0317.C3
Gene No.	81479	Strand	-
Start	1	End	2080
Name	OJ000118_16.0317.C3.o1.np	Method	AAT/NAP
Start	1	End	2080
GI	5852171	Score	190
Exons	1..24, 1855..2080		
GI Descrip.	(AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81480	Strand	+
Start	54	End	4752
Name	OJ000118_16.0317.C4.o1.gs	Method	GENSCAN
Start	54	End	2234
GI	none	Score	.96
Exons	54..2234		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81480	Strand	+

Start	54	End	4752
Name	OJ000118_16.0317.C4.o1.np	Method	AAT/NAP
Start	54	End	4752
GI	6016874	Score	2204
Exons	54..132, 216..353, 418..650, 1041..1200, 1594..1773, 1891..2230, 2707..2981, 4576..4613, 4701..4752		
GI Descrip.	(AP000570) ESTs C19143(E10020), D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81480	Strand	+
Start	54	End	4752
Name	OJ000118_16.0317.C4.o1.gp	Method	AAT/GAP
Start	743	End	1251
GI	uC-osflcyp110c07b1	Score	966
Exons	743..1251		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81481	Strand	+
Start	8384	End	14716
Name	OJ000118_16.0317.C4.o3.gs	Method	GENSCAN
Start	8384	End	14481
GI	none	Score	.54
Exons	8384..8944, 9048..9132, 10110..10282, 10422..10637, 10976..11070, 12243..12464, 12540..13533, 14239..14481		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81481	Strand	+
Start	8384	End	14716
Name	OJ000118_16.0317.C4.o3.np	Method	AAT/NAP
Start	10937	End	14478
GI	6730733	Score	2000
Exons	10937..11070, 12243..12464, 12540..12744, 12772..13533, 14239..14478		
GI Descrip.	(AC018849) putative glycerol kinase [Arabidopsis thaliana]		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81481	Strand	+
Start	8384	End	14716
Name	OJ000118_16.0317.C4.o2.gp	Method	AAT/GAP
Start	12581	End	13024
GI	LIB3433-023-P1-K1-H3	Score	812
Exons	12581..13024		
GI Descrip.	'5852172/emb CAB55410.1 2.0e-74 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81481	Strand	+
Start	8384	End	14716
Name	OJ000118_16.0317.C4.o3.gp	Method	AAT/GAP
Start	13123	End	13544
GI	427852	Score	782
Exons	13123..13544		

GI Descrip. 5852172/emb|CAB55410.1| 2.0e-74 (AL117265) zhb0002.1 [Oryza sativa]

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81481	Strand	+
Start	8384	End	14716
Name	OJ000118_16.0317.C4.o4.gp	Method	AAT/GAP
Start	14264	End	14716
GI	10742_1.R1084	Score	833
Exons	14264..14716		
GI Descrip.	'5852172/emb CAB55410.1 1.0e-10 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o2.np	Method	AAT/NAP
Start	11	End	9146
GI	5852171	Score	5122
Exons	11..64, 2766..2990, 3120..3185, 3893..5706, 5982..6092, 6317..6468, 6552..6888, 7426..7475, 8415..8607, 8661..8748, 8787..9146		

GI Descrip. (AL117265) zhb0001.1 [Oryza sativa]

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o4.tm	Method	TBLASTX:Maize
Start	402	End	848
GI	none	Score	69
Exons	402..488, 473..682, 474..722, 759..815, 810..848		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o6.tm	Method	TBLASTX:Maize
Start	942	End	1256
GI	none	Score	65
Exons	942..1016, 1029..1256, 1037..1255		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o7.tm	Method	TBLASTX:Maize
Start	1461	End	1813
GI	none	Score	235
Exons	1461..1742, 1472..1813		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o5.tm	Method	TBLASTX:Maize
Start	1925	End	2168
GI	none	Score	276
Exons	1925..2083, 1935..2168		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
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Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o3.ts	Method	TBLASTX:Soybean
Start	3974	End	5893
GI	none	Score	74
Exons	3974..4366, 4023..4226, 4064..4321, 4067..4315, 4067..4249, 4067..4258, 4070..4345, 4070..4339, 4142..4366, 4148..4258, 4484..4636, 4502..4639, 4775..4885, 4778..4861, 4781..4975, 4781..4963, 4781..4951, 4781..4828, 4782..5000, 4784..4975, 4856..4972, 5135..5260, 5138..5272, 5141..5257, 5147..5260, 5414..5506, 5738..5893, 5744..5884, 5744..5884, 5747..5872		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o3.tc	Method	TBLASTX:Cress
Start	4010	End	6760
GI	none	Score	70
Exons	4010..4132, 4019..4258, 4061..4321, 4061..4321, 4061..4261, 4064..4321, 4067..4330, 4067..4189, 4067..4321, 4067..4321, 4067..4258, 4070..4330, 4076..4321, 4145..4288, 4211..4318, 4265..4321, 4481..4702, 4481..4630, 4487..4621, 4646..4711, 4646..4711, 4650..4742, 4778..4963, 4781..4957, 4781..4972, 4781..5008, 4781..4963, 4781..4975, 4781..4903, 4781..4963, 4781..4972, 4781..4984, 4781..4978, 4784..4972, 4784..4957, 4988..5113, 4988..5113, 4991..5119, 5129..5257, 5135..5260, 5138..5257, 5138..5248, 5141..5263, 5141..5260, 5669..5719, 5699..5872, 5741..5866, 5744..5896, 5744..5854, 5744..5884, 5993..6031, 6318..6455, 6650..6760		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o1.tw	Method	TBLASTX:Wheat
Start	4013	End	6611
GI	none	Score	39
Exons	4013..4333, 4778..4963, 4781..4972, 5138..5260, 6324..6443, 6531..6611		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81482	Strand	-
Start	11	End	9146
Name	OJ000118_16.0317.C4.o8.tm	Method	TBLASTX:Maize
Start	4022	End	6446
GI	none	Score	98
Exons	4022..4321, 4061..4315, 4205..4330, 4487..4624, 4781..5002, 4781..4972, 4781..4957, 4853..4972, 6324..6446		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	-
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o2.ts	Method	TBLASTX:Soybean
Start	10945	End	12620
GI	none	Score	128
Exons	10945..11076, 10946..11071, 12244..12465, 12244..12465, 12245..12466, 12320..12466, 12518..12598, 12518..12598, 12534..12620, 12538..12615		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	10946	End	13218
GI	none	Score	164
Exons	10946..11071, 10963..11076, 12243..12464, 12243..12464, 12244..12465, 12305..12466, 12534..12719, 12538..12744, 12538..12738, 12756..13145, 12772..13218, 12778..13059, 12780..13202		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o4.ts	Method	TBLASTX:Soybean
Start	12621	End	12828
GI	none	Score	79
Exons	12621..12722, 12621..12716, 12622..12744, 12771..12827, 12772..12828		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	12913	End	13203
GI	none	Score	464
Exons	12913..13203, 12913..13191, 12915..13202		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	13020	End	14481
GI	none	Score	626
Exons	13020..13475, 13021..13464, 13444..13533, 13473..13529, 13494..13535, 14113..14157, 14217..14288, 14233..14352, 14237..14359, 14368..14481, 14370..14477		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	13203	End	13419
GI	none	Score	340
Exons	13203..13418, 13204..13419		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o2.tc	Method	TBLASTX:Cress
Start	13346	End	14484
GI	none	Score	252
Exons	13346..13432, 13348..13545, 13350..13529, 13475..13534, 14229..14288, 14233..14352, 14353..14484, 14355..14483		

Seq. No.	39458	Seq. ID	OJ000118_16.0317.C4
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Gene No.	81483	Strand	
Start	10945	End	14484
Name	OJ000118_16.0317.C4.o3.tm	Method	TBLASTX:Maize
Start	13419	End	14481
GI	none	Score	191
Exons	13419..13532, 13420..13545, 13420..13533, 13421..13534, 14229..14477, 14230..14481, 14233..14481		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81484	Strand	+
Start	20768	End	23236
Name	OJ000118_16.0317.C9.o3.np	Method	AAT/NAP
Start	20768	End	23236
GI	5922623	Score	218
Exons	20768..20852, 21230..21384, 21552..21627, 23211..23236		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81485	Strand	-
Start	1	End	8241
Name	OJ000118_16.0317.C9.o1.np	Method	AAT/NAP
Start	1	End	3197
GI	7486157	Score	550
Exons	1..270, 1602..2165, 2212..2855, 3057..3197		
GI Descrip.	hypothetical protein F26B6.1 - Arabidopsis thaliana gi 3242728 gb AAC23780.1 (AC003040) unknown protein [Arabidopsis thaliana]		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81485	Strand	-
Start	1	End	8241
Name	OJ000118_16.0317.C9.o1.gs	Method	GENSCAN
Start	882	End	8241
GI	none	Score	.51
Exons	882..2845, 3026..3158, 4946..5028, 5195..5339, 5700..5780, 6110..6243, 6540..6814, 7253..7367, 8012..8152, 8157..8241		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81486	Strand	-
Start	11331	End	15010
Name	OJ000118_16.0317.C9.o1.gp	Method	AAT/GAP
Start	10942	End	11357
GI	702296	Score	622
Exons	10942..11357		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81486	Strand	-
Start	11331	End	15010
Name	OJ000118_16.0317.C9.o2.gs	Method	GENSCAN
Start	11331	End	15010
GI	none	Score	.91
Exons	11331..11612, 11907..12109, 12206..12297, 12444..12733, 12850..12937, 13056..13086, 13244..13269, 13574..14041, 14149..14192, 14772..14791, 14977..15010		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81486	Strand	-
Start	11331	End	15010
Name	OJ000118_16.0317.C9.o2.np	Method	AAT/NAP
Start	11334	End	13662
GI	5081555	Score	683
Exons	11334..11528, 11724..12106, 12206..12297, 12444..12488, 12588..12733, 12850..12937, 13056..13086, 13244..13269, 13574..13662		
GI Descrip.	(AF132001) PHAP2A protein [Petunia x hybrida]		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81486	Strand	-
Start	11331	End	15010
Name	OJ000118_16.0317.C9.o2.gp	Method	AAT/GAP
Start	11451	End	12735
GI	25592_1.R1084	Score	1350
Exons	11451..11612, 11728..11811, 11907..12109, 12206..12297, 12444..12488, 12588..12735		
GI Descrip.	'5081555/gb AAD39439.1 AF132001_1 4.0e-27 (AF132001) PHAP2A protein [Petunia x hybrida]'		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o4.tm	Method	TBLASTX:Maize
Start	753	End	1352
GI	none	Score	39
Exons	753..800, 754..801, 885..941, 886..954, 999..1067, 1000..1083, 1205..1345, 1209..1352, 1210..1335		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o3.ts	Method	TBLASTX:Soybean
Start	1275	End	1649
GI	none	Score	99
Exons	1275..1490, 1276..1497, 1569..1649		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	1795	End	2531
GI	none	Score	179
Exons	1795..1938, 1795..1878, 1799..1939, 1930..2178, 1938..2177, 1942..2529, 1944..2531, 2241..2531		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
Gene No.	81487	Strand	-
Start	17894	End	17980
Name	OJ000118_16.0317.C9.o2.ts	Method	TBLASTX:Soybean
Start	2223	End	2537
GI	none	Score	99
Exons	2223..2459, 2241..2537, 2242..2508		

Seq. No.	39459	Seq. ID	OJ000118_16.0317.C9
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Gene No. 81487
 Start 17894
 Name OJ000118_16.0317.C9.o2.tc
 Start 2229
 GI none
 Exons 2229..2468, 2242..2463

Strand -
 End 17980
 Method TBLASTX:Cress
 End 2468
 Score 208

Seq. No. 39459
 Gene No. 81487
 Start 17894
 Name OJ000118_16.0317.C9.o3.tm
 Start 2769
 GI none
 Exons 2769..2852, 2770..2844, 3027..3164, 3028..3159, 3280..3342, 4982..5017, 5038..5067

Seq. ID OJ000118_16.0317.C9
 Strand -
 End 17980
 Method TBLASTX:Maize
 End 5067
 Score 82

Seq. No. 39459
 Gene No. 81487
 Start 17894
 Name OJ000118_16.0317.C9.o1.ts
 Start 12033
 GI none
 Exons 12033..12104, 12217..12300, 12219..12299, 12443..12490, 12444..12488, 12444..12491, 12575..12736, 12582..12737, 12585..12737, 12601..12738, 12839..12931, 12844..12975, 12847..12939, 12856..12939, 13061..13087

Seq. ID OJ000118_16.0317.C9
 Strand -
 End 17980
 Method TBLASTX:Soybean
 End 13087
 Score 91

Seq. No. 39459
 Gene No. 81487
 Start 17894
 Name OJ000118_16.0317.C9.o1.tc
 Start 12217
 GI none
 Exons 12217..12300, 12219..12299, 12443..12490, 12444..12488, 12575..12736, 12582..12737, 12844..12933, 12847..12939, 12856..12939, 13055..13093, 13573..13617, 13583..13663

Seq. ID OJ000118_16.0317.C9
 Strand -
 End 17980
 Method TBLASTX:Cress
 End 13663
 Score 85

Seq. No. 39459
 Gene No. 81487
 Start 17894
 Name OJ000118_16.0317.C9.o2.tm
 Start 12434
 GI none
 Exons 12434..12487, 12439..12486, 12443..12490, 12445..12489, 12575..12736, 12581..12736, 12582..12737, 12586..12738, 12844..12951, 12847..12945, 12851..12988, 12851..12979

Seq. ID OJ000118_16.0317.C9
 Strand -
 End 17980
 Method TBLASTX:Maize
 End 12988
 Score 66

Seq. No. 39459
 Gene No. 81487
 Start 17894
 Name OJ000118_16.0317.C9.o3.gp
 Start 17894
 GI LIB3477-003-P1-K1-E9
 Exons 17894..17980
 GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. ID OJ000118_16.0317.C9
 Strand -
 End 17980
 Method AAT/GAP
 End 17980
 Score 109

Seq. No.	39460	Seq. ID	OJ000118_16.0317.C10
Gene No.	81488	Strand	+
Start	270	End	400
Name	OJ000118_16.0317.C10.o1.gs	Method	GENSCAN
Start	270	End	400
GI	none	Score	.42
Exons	270..400		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81489	Strand	+
Start	14244	End	17544
Name	OJ000118_16.0317.C11.o1.np	Method	AAT/NAP
Start	14244	End	17541
GI	5803259	Score	4970
Exons	14244..15505, 15601..15832, 15875..17541		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81489	Strand	+
Start	14244	End	17544
Name	OJ000118_16.0317.C11.o2.gs	Method	GENSCAN
Start	14244	End	17544
GI	none	Score	.76
Exons	14244..15505, 15601..17398, 17431..17544		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o3.gs	Method	GENSCAN
Start	18170	End	21056
GI	none	Score	.65
Exons	18170..20782, 20851..21056		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o2.np	Method	AAT/NAP
Start	18173	End	21245
GI	7228457	Score	4682
Exons	18173..19723, 19790..20955, 21041..21245		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o4.tw	Method	TBLASTX:Wheat
Start	18182	End	18761
GI	none	Score	81
Exons	18182..18307, 18186..18308, 18474..18644, 18500..18760, 18501..18644, 18681..18758, 18693..18761		

Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245

Name	OJ000118_16.0317.C11.o1.tw	Method	TBLASTX:Wheat
Start	18765	End	19166
GI	none	Score	171
Exons	18765..19064, 18785..19165, 18824..19069, 19110..19166		
Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o1.tm	Method	TBLASTX:Maize
Start	18980	End	19303
GI	none	Score	204
Exons	18980..19303, 18993..19274		
Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o5.tw	Method	TBLASTX:Wheat
Start	19496	End	19808
GI	none	Score	60
Exons	19496..19756, 19710..19808		
Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o2.ts	Method	TBLASTX:Soybean
Start	19556	End	20122
GI	5666795	Score	68
Exons	19556..19756, 19811..19948, 20024..20122		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o3.tw	Method	TBLASTX:Wheat
Start	19811	End	20245
GI	none	Score	88
Exons	19811..19960, 19812..19949, 19994..20245, 20004..20180, 20021..20245		
Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o1.ts	Method	TBLASTX:Soybean
Start	20869	End	21202
GI	none	Score	85
Exons	20869..21051, 21041..21202, 21042..21185		
Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-
Start	18170	End	21245
Name	OJ000118_16.0317.C11.o2.tw	Method	TBLASTX:Wheat
Start	20899	End	21238
GI	none	Score	82
Exons	20899..21054, 20906..21046, 21027..21227, 21047..21238		
Seq. No.	39461	Seq. ID	OJ000118_16.0317.C11
Gene No.	81490	Strand	-

Start	18170	End	21245
Name	OJ000118_16.0317.C11.o2.tm	Method	TBLASTX:Maize
Start	20992	End	21244
GI	none	Score	174
Exons	20992..21057, 21027..21227, 21056..21244		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81491	Strand	+
Start	3115	End	3692
Name	OJ000118_16.0317.C12.o2.np	Method	AAT/NAP
Start	3115	End	3692
GI	5922623	Score	125
Exons	3115..3195, 3574..3692		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o1.np	Method	AAT/NAP
Start	1	End	3037
GI	7228457	Score	4656
Exons	1..609, 673..2604, 2666..3037		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o1.tm	Method	TBLASTX:Maize
Start	115	End	471
GI	none	Score	121
Exons	115..420, 115..471, 125..436		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o1.tw	Method	TBLASTX:Wheat
Start	139	End	601
GI	none	Score	223
Exons	139..600, 145..600, 146..601		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o1.ts	Method	TBLASTX:Soybean
Start	196	End	561
GI	none	Score	117
Exons	196..330, 337..561		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o2.gs	Method	GENSCAN
Start	610	End	3643

GI	none	Score	.8
Exons	610..1955, 2031..2085, 2228..3055, 3112..3216, 3557..3643		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o2.tw	Method	TBLASTX:Wheat
Start	793	End	1252
GI	none	Score	75
Exons	793..987, 793..1251, 797..1057, 1115..1252		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o3.tw	Method	TBLASTX:Wheat
Start	1991	End	2383
GI	none	Score	94
Exons	1991..2248, 2025..2264, 2231..2329, 2232..2324, 2336..2383		

Seq. No.	39462	Seq. ID	OJ000118_16.0317.C12
Gene No.	81492	Strand	-
Start	1	End	3643
Name	OJ000118_16.0317.C12.o2.tm	Method	TBLASTX:Maize
Start	2093	End	2378
GI	none	Score	91
Exons	2093..2341, 2094..2378		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81493	Strand	+
Start	1	End	2060
Name	OJ000118_16.0317.C13.o1.np	Method	AAT/NAP
Start	1	End	2060
GI	5091503	Score	401
Exons	1..68, 1441..1506, 1538..1922, 2002..2060		
GI Descrip.	(AB023482) EST AU055776(S20048) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana AP2 domain containing protein RAP2.10 mRNA, partial cds.(AF003103) [Oryza sativa]		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81493	Strand	+
Start	1	End	2060
Name	OJ000118_16.0317.C13.o1.gp	Method	AAT/GAP
Start	1240	End	1567
GI	702723	Score	620
Exons	1240..1567		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o1.ts	Method	TBLASTX:Soybean
Start	1520	End	1880
GI	none	Score	290
Exons	1520..1630, 1545..1718, 1682..1714, 1784..1855, 1785..1880		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-

Start	3003	End	6378
Name	OJ000118_16.0317.C13.o1.tw	Method	TBLASTX:Wheat
Start	1541	End	1715
GI	none	Score	179
Exons	1541..1714, 1545..1715		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o1.tc	Method	TBLASTX:Cress
Start	1544	End	1850
GI	none	Score	286
Exons	1544..1714, 1545..1718, 1781..1849, 1782..1850		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o2.tm	Method	TBLASTX:Maize
Start	1629	End	2086
GI	none	Score	153
Exons	1629..1724, 1676..1780, 1682..1729, 1781..1873, 1782..1874, 1986..2042, 1998..2075, 2000..2056, 2015..2086		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o2.gs	Method	GENSCAN
Start	3003	End	6375
GI	none	Score	.71
Exons	3003..3136, 3191..3254, 4292..4549, 5581..5724, 5798..5875, 6325..6375		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o2.gp	Method	AAT/GAP
Start	4715	End	6375
GI	43821_1.R1084	Score	1193
Exons	4715..5098, 5581..5724, 5798..5875, 6325..6375		
GI Descrip.	'3413712 1.0e-47 (AC004747) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o1.tm	Method	TBLASTX:Maize
Start	4737	End	6378
GI	none	Score	63
Exons	4737..4763, 4763..4801, 4766..4801, 4885..5103, 4943..5101, 5579..5725, 5579..5725, 5580..5732, 5581..5730, 5796..5882, 5797..5883, 5798..5881, 6289..6378, 6325..6378		

Seq. No.	39463	Seq. ID	OJ000118_16.0317.C13
Gene No.	81494	Strand	-
Start	3003	End	6378
Name	OJ000118_16.0317.C13.o2.np	Method	AAT/NAP
Start	4970	End	6375

GI 7486285 Score 353
 Exons 4970..5098, 5581..5724, 5798..5896, 6325..6375
 GI Descrip. hypothetical protein F28A23.200 - Arabidopsis thaliana
 gi|2911058|emb|CAA17568.1| (AL021961) putative protein
 [Arabidopsis thaliana] gi|7270353|emb|CAB80121.1| (AL161584)
 putative protein [Arabidopsis thaliana]

Seq. No. 39463 Seq. ID OJ000118_16.0317.C13
 Gene No. 81494 Strand -
 Start 3003 End 6378
 Name OJ000118_16.0317.C13.o2.ts Method TBLASTX:Soybean
 Start 4982 End 5902
 GI none Score 69
 Exons 4982..5101, 4996..5100, 5581..5670, 5629..5730, 5633..5725,
 5670..5732, 5785..5850, 5796..5864, 5796..5867, 5798..5872,
 5798..5902

Seq. No. 39463 Seq. ID OJ000118_16.0317.C13
 Gene No. 81494 Strand -
 Start 3003 End 6378
 Name OJ000118_16.0317.C13.o2.tc Method TBLASTX:Cress
 Start 5051 End 5890
 GI none Score 73
 Exons 5051..5101, 5581..5607, 5629..5730, 5639..5725, 5798..5848,
 5798..5890

Seq. No. 39464 Seq. ID OJ000118_16.0317.C14
 Gene No. 81495 Strand +
 Start 2520 End 2658
 Name OJ000118_16.0317.C14.o1.gp Method AAT/GAP
 Start 2520 End 2658
 GI LIB3474-009-P1-K1-F11 Score 230
 Exons 2520..2658
 GI Descrip. '4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein
 [Arabidopsis thaliana]'

Seq. No. 39464 Seq. ID OJ000118_16.0317.C14
 Gene No. 81496 Strand -
 Start 25 End 415
 Name OJ000118_16.0317.C14.o1.gs Method GENSCAN
 Start 25 End 415
 GI none Score .41
 Exons 25..415

Seq. No. 39464 Seq. ID OJ000118_16.0317.C14
 Gene No. 81497 Strand -
 Start 8157 End 18550
 Name OJ000118_16.0317.C14.o1.tm Method TBLASTX:Maize
 Start 3 End 418
 GI none Score 58
 Exons 3..59, 46..189, 52..132, 114..416, 123..416, 125..418

Seq. No. 39464 Seq. ID OJ000118_16.0317.C14
 Gene No. 81497 Strand -
 Start 8157 End 18550
 Name OJ000118_16.0317.C14.o3.gs Method GENSCAN
 Start 8157 End 18550

GI	none	Score	.87
Exons	8157..8592, 8695..8797, 9570..9696, 10032..10113, 10213..10334, 10709..10804, 11455..11676, 11841..11939, 12575..12689, 13482..13571, 14561..14736, 15693..15802, 15873..16041, 16638..16735, 16881..17108, 17865..18550		

Seq. No.	39464	Seq. ID	OJ000118_16.0317.C14
Gene No.	81497	Strand	-
Start	8157	End	18550
Name	OJ000118_16.0317.C14.o1.np	Method	AAT/NAP
Start	12304	End	18288
GI	4567209	Score	605
Exons	12304..12489, 12575..12689, 13725..13843, 13915..13981, 14561..14729, 15686..15787, 15873..16041, 16120..16179, 16865..17046, 17940..18288		

GI Descrip. (AC007168) hypothetical protein [Arabidopsis thaliana]

Seq. No.	39465	Seq. ID	OJ000118_16.0317.C15
Gene No.	81498	Strand	+
Start	106	End	361
Name	OJ000118_16.0317.C15.o1.gs	Method	GENSCAN
Start	106	End	361
GI	none	Score	.62
Exons	106..276, 350..361		

Seq. No.	39465	Seq. ID	OJ000118_16.0317.C15
Gene No.	81499	Strand	-
Start	1012	End	1541
Name	OJ000118_16.0317.C15.o2.gs	Method	GENSCAN
Start	1012	End	1541
GI	none	Score	.77
Exons	1012..1196, 1202..1400, 1429..1541		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81500	Strand	+
Start	4439	End	9296
Name	OJ000118_16.0317.C16.o2.gs	Method	GENSCAN
Start	4439	End	9296
GI	none	Score	.91
Exons	4439..4798, 4883..4998, 5081..5212, 7866..8115, 8208..8261, 8385..8528, 8620..8684, 8999..9053, 9135..9296		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81500	Strand	+
Start	4439	End	9296
Name	OJ000118_16.0317.C16.o1.gp	Method	AAT/GAP
Start	6256	End	8039
GI	2427855	Score	671
Exons	6256..6356, 7640..7746, 7866..8039		
GI Descrip.	3413712 1.0e-47 (AC004747) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81501	Strand	+
Start	15208	End	16058
Name	OJ000118_16.0317.C16.o2.np	Method	AAT/NAP
Start	14997	End	16016

GI	7340909	Score	150
Exons	14997..15248, 15278..15370, 15865..16016		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81501	Strand	+
Start	15208	End	16058
Name	OJ000118_16.0317.C16.o4.gs	Method	GENSCAN
Start	15208	End	16058
GI	none	Score	.62
Exons	15208..15542, 15631..15803, 15910..16058		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81501	Strand	+
Start	15208	End	16058
Name	OJ000118_16.0317.C16.o3.np	Method	AAT/NAP
Start	15335	End	15937
GI	5091528	Score	119
Exons	15335..15379, 15542..15937		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81502	Strand	-
Start	1432	End	3390
Name	OJ000118_16.0317.C16.o1.gs	Method	GENSCAN
Start	1432	End	3390
GI	none	Score	.85
Exons	1432..2109, 2199..2287, 2964..3115, 3329..3390		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81503	Strand	-
Start	4660	End	16305
Name	OJ000118_16.0317.C16.o1.np	Method	AAT/NAP
Start	4660	End	16305
GI	5852171	Score	1975
Exons	4660..4774, 9634..11446, 11722..11849, 12467..12597; 12685..13004, 16201..16305		
GI Descrip.	(AL117265) zhb0001.1 [Oryza sativa]		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81503	Strand	-
Start	4660	End	16305
Name	OJ000118_16.0317.C16.o3.gs	Method	GENSCAN
Start	9541	End	13872
GI	none	Score	.47
Exons	9541..11624, 11723..11849, 12452..12597, 12685..12880, 13334..13366, 13789..13872		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o2.ts	Method	TBLASTX:Soybean
Start	5371	End	7995
GI	none	Score	63
Exons	5371..5412, 6257..6358, 6258..6359, 7640..7750, 7644..7742, 7660..7749, 7664..7726, 7835..7993, 7840..7995, 7863..7994, 7891..7995		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o1.tm	Method	TBLASTX:Maize
Start	6191	End	7969
GI	none	Score	119
Exons	6191..6358, 6255..6359, 6256..6378, 6257..6358, 7594..7749, 7633..7740, 7640..7750, 7840..7968, 7844..7969		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o3.tm	Method	TBLASTX:Maize
Start	8020	End	8511
GI	none	Score	142
Exons	8020..8121, 8022..8114, 8026..8115, 8207..8260, 8208..8267, 8208..8261, 8377..8511, 8391..8510		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o4.tm	Method	TBLASTX:Maize
Start	8619	End	9305
GI	none	Score	94
Exons	8619..8684, 8620..8685, 8997..9056, 8997..9056, 9107..9184, 9132..9185, 9133..9192, 9134..9193, 9188..9244, 9196..9294, 9201..9305, 9212..9298		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o1.tc	Method	TBLASTX:Cress
Start	9691	End	12961
GI	none	Score	65
Exons	9691..9849, 9727..9915, 9727..10032, 9733..10038, 9778..10065, 9781..10047, 9781..10038, 9784..10047, 9784..9978, 9784..10047, 9784..9975, 9787..10047, 9928..10035, 9982..10038, 10159..10353, 10210..10458, 10216..10347, 10219..10344, 10385..10612, 10561..10710, 10561..10707, 10561..10692, 10561..10710, 10591..10719, 10867..10989, 10870..11001, 10879..10998, 10879..10989, 10879..10998, 10879..11001, 10882..11013, 10882..11001, 11017..11136, 11017..11133, 11119..11247, 11470..11616, 11473..11607, 11485..11616, 11485..11595, 11796..11930, 11808..11933, 12144..12275, 12150..12257, 12153..12272, 12153..12263, 12794..12961		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o1.tw	Method	TBLASTX:Wheat
Start	9709	End	12263
GI	none	Score	66
Exons	9709..9975, 9730..10050, 10591..10719, 10879..11001, 11808..11918, 12150..12263		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
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Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o2.tm	Method	TBLASTX:Maize
Start	9727	End	12742
GI	none	Score	74
Exons	9727..10035, 9784..9981, 9856..10050, 9922..10050, 10216..10338, 10234..10353, 10235..10330, 10561..10740, 11413..11445, 11485..11604, 11808..11939, 11808..11903, 12150..12260, 12464..12589, 12704..12742		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o1.ts	Method	TBLASTX:Soybean
Start	9736	End	12263
GI	none	Score	78
Exons	9736..10059, 9775..10056, 9778..10038, 9778..10032, 9784..10032, 9784..9975, 10216..10344, 10225..10356, 10231..10281, 10306..10377, 10372..10458, 10561..10686, 10591..10707, 10870..10989, 10879..11007, 10882..10998, 11029..11130, 11368..11607, 11464..11616, 11479..11613, 11479..11607, 11485..11616, 11772..11897, 11802..11930, 11811..12002, 12153..12263, 12153..12260		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o4.np	Method	AAT/NAP
Start	16865	End	20123
GI	7228438	Score	525
Exons	16865..16917, 18899..19129, 19228..19534, 19627..20123		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	39466	Seq. ID	OJ000118_16.0317.C16
Gene No.	81504	Strand	-
Start	17163	End	20123
Name	OJ000118_16.0317.C16.o5.gs	Method	GENSCAN
Start	17163	End	19770
GI	none	Score	.7
Exons	17163..17221, 17823..17990, 18088..18207, 18244..18324, 18390..18621, 18876..19143, 19236..19534, 19627..19770		

Seq. No.	39467	Seq. ID	OJ000118_18.0322.C1
Gene No.	81505	Strand	-
Start	425	End	1381
Name	OJ000118_18.0322.C1.o1.gs	Method	GENSCAN
Start	425	End	1381
GI	none	Score	.56
Exons	425..456, 1318..1381		

Seq. No.	39468	Seq. ID	OJ000118_18.0322.C2
Gene No.	81506	Strand	+
Start	1186	End	5774
Name	OJ000118_18.0322.C2.o2.gs	Method	GENSCAN
Start	1186	End	5774

GI	none	Score	.62
Exons	1186..1620, 1698..1880, 3171..3305, 4530..4640, 4734..4775, 4870..4965, 5038..5127, 5233..5346, 5450..5482, 5700..5774		

Seq. No.	39468	Seq. ID	OJ000118_18.0322.C2
Gene No.	81507	Strand	-
Start	676	End	977
Name	OJ000118_18.0322.C2.o1.np	Method	AAT/NAP
Start	676	End	977
GI	6063539	Score	156
Exons	676..780, 816..977		
GI Descrip.	(AP000615) hypothetical protein [Oryza sativa]		

Seq. No.	39468	Seq. ID	OJ000118_18.0322.C2
Gene No.	81508	Strand	-
Start	5697	End	6064
Name	OJ000118_18.0322.C2.o1.gp	Method	AAT/GAP
Start	5697	End	6064
GI	none	Score	712
Exons	5697..6064		

Seq. No.	39468	Seq. ID	OJ000118_18.0322.C2
Gene No.	81509	Strand	-
Start	6445	End	9236
Name	OJ000118_18.0322.C2.o3.gs	Method	GENSCAN
Start	6445	End	9236
GI	none	Score	.9
Exons	6445..6489, 7372..7458, 7545..8112, 8199..8353, 8436..8556, 8664..8742, 8830..8999, 9134..9236		

Seq. No.	39468	Seq. ID	OJ000118_18.0322.C2
Gene No.	81509	Strand	-
Start	6445	End	9236
Name	OJ000118_18.0322.C2.o2.gp	Method	AAT/GAP
Start	6765	End	7613
GI	27919_2.R1084	Score	819
Exons	6765..6946, 7054..7134, 7226..7305, 7372..7458, 7545..7613		
GI Descrip.	'6016736/gb AAF01562.1 AC009325_32 2.0e-15 (AC009325) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39468	Seq. ID	OJ000118_18.0322.C2
Gene No.	81509	Strand	-
Start	6445	End	9236
Name	OJ000118_18.0322.C2.o1.tm	Method	TBLASTX:Maize
Start	7872	End	8905
GI	none	Score	135
Exons	7872..8114, 7876..8121, 8231..8299, 8235..8297, 8684..8743, 8837..8905		

Seq. No.	39469	Seq. ID	OJ000118_18.0322.C3
Gene No.	81510	Strand	+
Start	195	End	1675
Name	OJ000118_18.0322.C3.o1.gs	Method	GENSCAN
Start	195	End	1675
GI	none	Score	.79
Exons	195..473, 1166..1368, 1408..1675		

Seq. No. 39469
 Gene No. 81511
 Start 3221
 Name OJ000118_18.0322.C3.o1.gp
 Start 3221
 GI none
 Exons 3221..3591

Seq. ID OJ000118_18.0322.C3
 Strand +
 End 3591
 Method AAT/GAP
 End 3591
 Score 714

Seq. No. 39469
 Gene No. 81512
 Start 4460
 Name OJ000118_18.0322.C3.o3.gs
 Start 4460
 GI none
 Exons 4460..4474, 4507..4608, 4694..4997, 5078..5237, 6316..6479

Seq. ID OJ000118_18.0322.C3
 Strand -
 End 6479
 Method GENSCAN
 End 6479
 Score .48

Seq. No. 39470
 Gene No. 81513
 Start 9584
 Name OJ000118_18.0322.C4.o2.gs
 Start 9584
 GI none
 Exons 9584..9914, 9987..10086, 10560..10614

Seq. ID OJ000118_18.0322.C4
 Strand +
 End 10614
 Method GENSCAN
 End 10614
 Score .5

Seq. No. 39470
 Gene No. 81514
 Start 14527
 Name OJ000118_18.0322.C4.o4.gs
 Start 14527
 GI none
 Exons 14527..14937

Seq. ID OJ000118_18.0322.C4
 Strand +
 End 14937
 Method GENSCAN
 End 14937
 Score .48

Seq. No. 39470
 Gene No. 81515
 Start 15779
 Name OJ000118_18.0322.C4.o2.np
 Start 15463
 GI 6996268
 Exons 15463..15568, 15759..15976, 17004..17535, 17631..18493
 GI Descrip. (AL138657) putative protein [Arabidopsis thaliana]

Seq. ID OJ000118_18.0322.C4
 Strand +
 End 18508
 Method AAT/NAP
 End 18493
 Score 965

Seq. No. 39470
 Gene No. 81515
 Start 15779
 Name OJ000118_18.0322.C4.o5.gs
 Start 15779
 GI none
 Exons 15779..15976, 16143..16250

Seq. ID OJ000118_18.0322.C4
 Strand +
 End 18508
 Method GENSCAN
 End 16250
 Score .61

Seq. No. 39470
 Gene No. 81515
 Start 15779
 Name OJ000118_18.0322.C4.o6.gs
 Start 16992
 GI none
 Exons 16992..17584, 17656..17830, 17852..18508

Seq. ID OJ000118_18.0322.C4
 Strand +
 End 18508
 Method GENSCAN
 End 18508
 Score .73

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81516	Strand	+
Start	18722	End	20946
Name	OJ000118_18.0322.C4.o7.gs	Method	GENSCAN
Start	18722	End	20946
GI	none	Score	.5
Exons	18722..18785, 18905..19226, 19273..19454, 20553..20683, 20827..20946		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81517	Strand	-
Start	892	End	5611
Name	OJ000118_18.0322.C4.o1.gs	Method	GENSCAN
Start	892	End	5611
GI	none	Score	.72
Exons	892..966, 1407..1547, 2219..2295, 2608..2707, 3252..3318, 3457..3570, 3649..3727, 3845..4015, 4353..4485, 4830..4992, 5130..5382, 5521..5611		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81517	Strand	-
Start	892	End	5611
Name	OJ000118_18.0322.C4.o1.np	Method	AAT/NAP
Start	1377	End	5281
GI	7529719	Score	1091
Exons	1377..1547, 1645..1734, 2207..2295, 2393..2514, 2604..2697, 2900..2972, 3042..3146, 3252..3318, 3457..3570, 3649..3727, 3845..4015, 4353..4485, 4830..4992, 5112..5281		
GI Descrip.	(AL132969) putative protein [Arabidopsis thaliana]		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81517	Strand	-
Start	892	End	5611
Name	OJ000118_18.0322.C4.o1.gp	Method	AAT/GAP
Start	2252	End	2968
GI	2312957	Score	588
Exons	2252..2295, 2393..2514, 2604..2707, 2913..2968		
GI Descrip.	4581150/gb AAD24634.1 AC006919_12.2.0e-21 (AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o2.tm	Method	TBLASTX:Maize
Start	2394	End	4986
GI	none	Score	39
Exons	2394..2456, 2603..2674, 2901..2972, 2902..2982, 3042..3179, 3042..3149, 3043..3159, 3250..3324, 3420..3539, 3648..3737, 3655..3738, 3843..4067, 3844..4017, 3920..4042, 4346..4471, 4351..4473, 4822..4986, 4836..4985		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o2.ts	Method	TBLASTX:Soybean
Start	2601	End	3312
GI	none	Score	80

Exons 2601..2678, 2612..2686, 2887..2976, 2901..2972, 3033..3149,
3034..3150, 3249..3311, 3250..3312

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o3.ts	Method	TBLASTX:Soybean
Start	3483	End	4986
GI	none	Score	72
Exons	3483..3533, 3493..3570, 3648..3719, 3652..3714, 3852..4016, 3852..4067, 3859..4017, 4337..4501, 4351..4485, 4776..4976, 4819..4986, 4836..4985		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o3.tc	Method	TBLASTX:Cress
Start	4834	End	4986
GI	none	Score	141
Exons	4834..4986, 4836..4985		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o2.gp	Method	AAT/GAP
Start	12228	End	12333
GI	1632454	Score	186
Exons	12228..12333		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81518	Strand	-
Start	12365	End	13273
Name	OJ000118_18.0322.C4.o3.gs	Method	GENSCAN
Start	12365	End	13273
GI	none	Score	.95
Exons	12365..12661, 13178..13273		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81519	Strand	-
Start	17256	End	18466
Name	OJ000118_18.0322.C4.o1.ts	Method	TBLASTX:Soybean
Start	17256	End	18445
GI	none	Score	102
Exons	17256..17450, 17723..17908, 17999..18073, 18122..18331, 18317..18445		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81519	Strand	-
Start	17256	End	18466
Name	OJ000118_18.0322.C4.o2.tc	Method	TBLASTX:Cress
Start	17671	End	17916
GI	none	Score	193
Exons	17671..17916, 17672..17911		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81519	Strand	-
Start	17256	End	18466

Name	OJ000118_18.0322.C4.o1.tm	Method	TBLASTX:Maize
Start	17701	End	18445
GI	none	Score	151
Exons	17701..17913, 17708..17911, 17999..18073, 18122..18328, 18332..18445		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81519	Strand	
Start	17256	End	18466
Name	OJ000118_18.0322.C4.o2.tw	Method	TBLASTX:Wheat
Start	18001	End	18295
GI	none	Score	68
Exons	18001..18030, 18002..18073, 18121..18294, 18122..18295		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81519	Strand	
Start	17256	End	18466
Name	OJ000118_18.0322.C4.o1.tc	Method	TBLASTX:Cress
Start	18122	End	18466
GI	none	Score	298
Exons	18122..18466, 18127..18234, 18289..18420		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81520	Strand	
Start	19366	End	21045
Name	OJ000118_18.0322.C4.o1.tw	Method	TBLASTX:Wheat
Start	19366	End	20855
GI	none	Score	107
Exons	19366..19569, 19367..19483, 20548..20679, 20549..20698, 20552..20701, 20553..20699, 20823..20855		

Seq. No.	39470	Seq. ID	OJ000118_18.0322.C4
Gene No.	81520	Strand	
Start	19366	End	21045
Name	OJ000118_18.0322.C4.o3.tm	Method	TBLASTX:Maize
Start	19366	End	21045
GI	none	Score	116
Exons	19366..19461, 19367..19483, 20548..20694, 20549..20698, 20552..20701, 20553..20699, 20797..20934, 20819..20959, 20821..20937, 20826..20975, 20989..21045		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81521	Strand	+
Start	741	End	10092
Name	OJ000118_18.0322.C5.o1.gs	Method	GENSCAN
Start	741	End	10092
GI	none	Score	.76
Exons	741..1007, 1155..1340, 1509..1610, 1690..1746, 1845..1940, 2018..2110, 2227..2352, 2459..2491, 2576..2626, 2762..2840, 3594..3679, 5105..5281, 5468..5798, 6068..6274, 6791..6936, 7155..7239, 7363..7503, 7599..7712, 8329..8393, 8468..8544, 9139..9283, 9341..9442, 9642..9721, 9744..9797, 9975..10092		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81521	Strand	+
Start	741	End	10092
Name	OJ000118_18.0322.C5.o1.np	Method	AAT/NAP

Start	5117	End	9719
GI	6016736	Score	829
Exons	5117..5401, 6904..6927, 7146..7239, 7363..7503, 7599..7712, 8296..8396, 8468..8544, 8613..8718, 8924..9051, 9139..9283, 9379..9442, 9642..9719		
GI Descrip.	(AC009325) unknown protein [Arabidopsis thaliana]		
Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81521	Strand	+
Start	741	End	10092
Name	OJ000118_18.0322.C5.o1.gp	Method	AAT/GAP
Start	6067	End	7261
GI	3061082	Score	804
Exons	6067..6274, 6791..6938, 7158..7261		
GI Descrip.	3869066/dbj AB019227.1 AB019227 9.0e-09 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MBM17, complete sequence		
Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81521	Strand	+
Start	741	End	10092
Name	OJ000118_18.0322.C5.o2.gp	Method	AAT/GAP
Start	9377	End	9998
GI	2429020	Score	776
Exons	9377..9442, 9642..9998		
GI Descrip.	6016736/gb AAF01562.1 AC009325_32 2.0e-15 (AC009325) unknown protein [Arabidopsis thaliana]		
Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81522	Strand	+
Start	13700	End	23853
Name	OJ000118_18.0322.C5.o2.np	Method	AAT/NAP
Start	13700	End	23412
GI	7329668	Score	1789
Exons	13700..13850, 14978..15121, 15205..15276, 15353..15424, 15796..15870, 16791..16859, 16981..17049, 17160..17231, 17532..17618, 17704..17772, 19249..19749, 21285..21425, 21549..21832, 22313..22364, 22621..22871, 23275..23412		
GI Descrip.	(AL162351) putative protein [Arabidopsis thaliana]		
Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81522	Strand	+
Start	13700	End	23853
Name	OJ000118_18.0322.C5.o4.gs	Method	GENSCAN
Start	17452	End	23853
GI	none	Score	.83
Exons	17452..17465, 17532..17618, 19249..19739, 21276..21425, 21549..21842, 22705..22871, 23275..23409, 23776..23853		
Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81522	Strand	+
Start	13700	End	23853
Name	OJ000118_18.0322.C5.o3.gp	Method	AAT/GAP
Start	19230	End	19673
GI	none	Score	834
Exons	19230..19673		
Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5

Gene No.	81522	Strand	+
Start	13700	End	23853
Name	OJ000118_18.0322.C5.o4.gp	Method	AAT/GAP
Start	22321	End	23399
GI	LIB3431-023-P1-K1-A1	Score	759
Exons	22321..22364, 22621..22871, 23275..23399		
GI Descrip.	'4581150/gb AAD24634.1 AC006919_12 2.0e-21 (AC006919) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81523	Strand	-
Start	10952	End	11620
Name	OJ000118_18.0322.C5.o2.gs	Method	GENSCAN
Start	10952	End	11620
GI	none	Score	.79
Exons	10952..11142, 11608..11620		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o2.tm	Method	TBLASTX:Maize
Start	6799	End	9725
GI	none	Score	191
Exons	6799..6942, 6807..6944, 7147..7239, 7152..7241, 7154..7240, 7361..7501, 7362..7538, 7560..7712, 7594..7734, 7598..7735, 8292..8396, 8294..8401, 8294..8398, 8295..8399, 8466..8540, 8467..8544, 8468..8542, 8604..8717, 8611..8724, 8907..9044, 8918..9043, 8921..9052, 8923..9054, 9169..9219, 9170..9223, 9200..9253, 9211..9285, 9212..9286, 9354..9437, 9383..9442, 9385..9441, 9615..9725, 9641..9721		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o1.tc	Method	TBLASTX:Cress
Start	7152	End	7538
GI	none	Score	126
Exons	7152..7241, 7152..7235, 7153..7239, 7154..7240, 7361..7501, 7362..7538		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o1.ts	Method	TBLASTX:Soybean
Start	7152	End	9049
GI	none	Score	124
Exons	7152..7241, 7154..7240, 7361..7540, 7362..7538, 7530, 7556..7735, 7597..7695, 8291..8398, 8292..8396, 8480..8542, 8482..8544, 8598..8717, 8611..8724, 8918..9028, 8920..9036, 8921..9049		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o2.tc	Method	TBLASTX:Cress
Start	7598	End	8742
GI	none	Score	153

Exons 7598..7735, 8291..8398, 8292..8396, 8292..8417, 8480..8542, 8482..8544, 8611..8742, 8619..8714

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o3.gs	Method	GENSCAN
Start	11829	End	14731
GI	none	Score	.62
Exons	11829..12445, 14512..14731		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81524	Strand	-
Start	11829	End	15232
Name	OJ000118_18.0322.C5.o4.ts	Method	TBLASTX:Soybean
Start	13699	End	15232
GI	none	Score	162
Exons	13699..13851, 13699..13854, 14290..14355, 14478..14549, 14483..14539, 14978..15112, 14978..15112, 14979..15113, 14991..15104, 15143..15232		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81525	Strand	-
Start	16787	End	17232
Name	OJ000118_18.0322.C5.o4.tm	Method	TBLASTX:Maize
Start	16787	End	17232
GI	none	Score	51
Exons	16787..16855, 16788..16859, 16789..16869, 16970..17050, 16981..17049, 16982..17020, 17092..17118, 17161..17232, 17172..17195, 17173..17196		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81526	Strand	-
Start	19261	End	23431
Name	OJ000118_18.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	19261	End	22798
GI	none	Score	549
Exons	19261..19743, 19262..19735, 21269..21409, 21273..21410, 21513..21827, 21529..21822, 21529..21831, 21548..21838, 21647..21835, 22303..22362, 22310..22363, 22611..22796, 22631..22798, 22634..22798		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81526	Strand	-
Start	19261	End	23431
Name	OJ000118_18.0322.C5.o3.tc	Method	TBLASTX:Cress
Start	21587	End	22706
GI	none	Score	224
Exons	21587..21838, 21637..21762, 22617..22706		

Seq. No.	39471	Seq. ID	OJ000118_18.0322.C5
Gene No.	81526	Strand	-
Start	19261	End	23431
Name	OJ000118_18.0322.C5.o2.tw	Method	TBLASTX:Wheat
Start	21590	End	21811
GI	none	Score	244
Exons	21590..21811, 21598..21795		

Seq. No. 39471
 Gene No. 81526
 Start 19261
 Name OJ000118_18.0322.C5.o3.ts
 Start 21590
 GI none
 Exons 21590..21826, 21598..21795

Seq. ID OJ000118_18.0322.C5
 Strand +
 End 23431
 Method TBLASTX:Soybean
 End 21826
 Score 245

Seq. No. 39471
 Gene No. 81526
 Start 19261
 Name OJ000118_18.0322.C5.o1.tw
 Start 22306
 GI none
 Exons 22306..22362, 22308..22364, 22611..22871, 22631..22873, 23274..23396, 23275..23400

Seq. ID OJ000118_18.0322.C5
 Strand +
 End 23431
 Method TBLASTX:Wheat
 End 23400
 Score 93

Seq. No. 39471
 Gene No. 81526
 Start 19261
 Name OJ000118_18.0322.C5.o2.ts
 Start 22611
 GI none
 Exons 22611..22871, 22625..22870, 23274..23411, 23275..23412, 23318..23431

Seq. ID OJ000118_18.0322.C5
 Strand +
 End 23431
 Method TBLASTX:Soybean
 End 23431
 Score 359

Seq. No. 39471
 Gene No. 81526
 Start 19261
 Name OJ000118_18.0322.C5.o3.tm
 Start 22800
 GI none
 Exons 22800..22871, 22802..22870, 23274..23414, 23275..23424, 23276..23416

Seq. ID OJ000118_18.0322.C5
 Strand +
 End 23431
 Method TBLASTX:Maize
 End 23424
 Score 92

Seq. No. 39472
 Gene No. 81527
 Start 1
 Name OJ000118_18.0322.C6.o1.np
 Start 1
 GI 7523712
 Exons 1..43, 339..598, 629..706
 GI Descrip. (AC011001) Hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ000118_18.0322.C6
 Strand +
 End 709
 Method AAT/NAP
 End 706
 Score 241

Seq. No. 39472
 Gene No. 81527
 Start 1
 Name OJ000118_18.0322.C6.o1.gs
 Start 332
 GI none
 Exons 332..709

Seq. ID OJ000118_18.0322.C6
 Strand +
 End 709
 Method GENSCAN
 End 709
 Score .88

Seq. No. 39472
 Gene No. 81528
 Start 1445

Seq. ID OJ000118_18.0322.C6
 Strand +
 End 7839

Name OJ000118_18.0322.C6.o2.np Method AAT/NAP
 Start 1425 End 7387
 GI 4733959 Score 2435
 Exons 1425..1639, 1754..1873, 2377..2468, 2616..2729, 3203..3533,
 4123..4302, 4449..4529, 4794..5012, 5095..5237, 5862..6028,
 6154..6377, 6754..6846, 7196..7387

GI Descrip. (AC007294) GIDA-like protein [Arabidopsis thaliana]

Seq. No. 39472 Seq. ID OJ000118_18.0322.C6
 Gene No. 81528 Strand +
 Start 1445 End 7839
 Name OJ000118_18.0322.C6.o2.gs Method GENSCAN
 Start 1445 End 7393
 GI none Score .85
 Exons 1445..1873, 2377..2468, 2616..2729, 3203..3356, 3429..3533,
 4123..4302, 4794..5012, 5095..5237, 5862..6028, 6160..6377,
 6754..6846, 7196..7393

Seq. No. 39472 Seq. ID OJ000118_18.0322.C6
 Gene No. 81528 Strand +
 Start 1445 End 7839
 Name OJ000118_18.0322.C6.o2.gp Method AAT/GAP
 Start 4804 End 5946
 GI uC-osflcyp002c03b1 Score 806
 Exons 4804..5012, 5095..5237, 5862..5946
 GI Descrip. '4733959/gb|AAD28643.1|AC007294_2 2.0e-70 (AC007294) putative
 glucose inhibited division protein A [Arabidopsis thaliana]'

Seq. No. 39472 Seq. ID OJ000118_18.0322.C6
 Gene No. 81528 Strand +
 Start 1445 End 7839
 Name OJ000118_18.0322.C6.o3.gp Method AAT/GAP
 Start 6762 End 7839
 GI 14054_1.R1084 Score 1278
 Exons 6762..6846, 7196..7839
 GI Descrip. '4733959/gb|AAD28643.1|AC007294_2 5.0e-18 (AC007294) putative
 glucose inhibited division protein A [Arabidopsis thaliana]'

Seq. No. 39472 Seq. ID OJ000118_18.0322.C6
 Gene No. 81529 Strand -
 Start 514 End 846
 Name OJ000118_18.0322.C6.o1.gp Method AAT/GAP
 Start 514 End 846
 GI 15736_1.R1084 Score 570
 Exons 514..846
 GI Descrip. '6015437/dbj|AB008112.1|AB008112 7.0e-12 Homo sapiens PEX1 mRNA,
 complete cds'

Seq. No. 39472 Seq. ID OJ000118_18.0322.C6
 Gene No. 81530 Strand -
 Start 8495 End 25114
 Name OJ000118_18.0322.C6.o6.ts Method TBLASTX:Soybean
 Start 331 End 738
 GI none Score 195
 Exons 331..555, 332..538, 646..738

Seq. No. 39472 Seq. ID OJ000118_18.0322.C6

Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o5.tm	Method	TBLASTX:Maize
Start	350	End	531
GI	none	Score	100
Exons	350..415, 352..411, 410..523, 412..531		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o3.ts	Method	TBLASTX:Soybean
Start	1745	End	3481
GI	none	Score	102
Exons	1745..1873, 1748..1888, 1762..1887, 2367..2462, 2374..2466, 2376..2471, 2377..2469, 2641..2727, 2646..2729, 3188..3481, 3201..3479		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o2.tm	Method	TBLASTX:Maize
Start	2611	End	3497
GI	none	Score	175
Exons	2611..2727, 2613..2729, 2616..2729, 3196..3486, 3200..3493, 3201..3497, 3201..3497		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o1.ts	Method	TBLASTX:Soybean
Start	4109	End	5916
GI	none	Score	120
Exons	4109..4303, 4119..4322, 4120..4305, 4446..4529, 4446..4529, 4447..4530, 4448..4531, 4777..4905, 4790..5008, 4791..5012, 4791..5012, 4819..5028, 5092..5217, 5092..5193, 5094..5216, 5860..5916		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	4797	End	6383
GI	none	Score	324
Exons	4797..5012, 4797..5012, 4798..5016, 4799..5017, 5092..5235, 5093..5236, 5094..5237, 5859..6029, 5860..6030, 5861..6028, 6157..6369, 6158..6376, 6158..6373, 6159..6383, 6159..6377		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o1.tc	Method	TBLASTX:Cress
Start	5923	End	6819
GI	none	Score	141
Exons	5923..6024, 5925..6011, 5933..6031, 6161..6376, 6161..6376, 6162..6383, 6162..6383, 6745..6819		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
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Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o5.ts	Method	TBLASTX:Soybean
Start	6189	End	7366
GI	none	Score	260
Exons	6189..6383, 6200..6379, 6219..6386, 6709..6849, 6745..6849, 7044..7100, 7195..7278, 7196..7366		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o6.tm	Method	TBLASTX:Maize
Start	6754	End	7378
GI	none	Score	52
Exons	6754..6786, 6763..6852, 6790..6849, 6794..6853, 7193..7378, 7195..7359, 7196..7375		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o3.np	Method	AAT/NAP
Start	8494	End	25114
GI	5263327	Score	659
Exons	8494..9272, 9372..9595, 9712..9920, 10033..10166, 10194..10522, 11542..11636, 124982..25114		
GI Descrip.	(AC007727) EST gb T20649 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o3.gs	Method	GENSCAN
Start	8495	End	11322
GI	none	Score	.77
Exons	8495..9272, 9372..9595, 9712..9923, 10033..10988, 11099..11322		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o3.tm	Method	TBLASTX:Maize
Start	8888	End	9550
GI	none	Score	110
Exons	8888..9016, 8889..9017, 9050..9139, 9203..9289, 9371..9550		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o2.ts	Method	TBLASTX:Soybean
Start	8900	End	10192
GI	none	Score	99
Exons	8900..9022, 8901..9017, 9038..9151, 9200..9271, 9371..9592, 9712..9780, 10064..10192		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o5.gs	Method	GENSCAN

Start	19114	End	24924
GI	none	Score	.66
Exons	19114..19337, 19781..19927, 21552..21740, 23991..24087, 24129..24242, 24286..24318, 24478..24533, 24684..24924		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o4.tm	Method	TBLASTX:Maize
Start	19723	End	21867
GI	none	Score	243
Exons	19723..19926, 19730..19900, 19764..19925, 19767..19928, 21601..21732, 21608..21739, 21808..21867		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o4.ts	Method	TBLASTX:Soybean
Start	23861	End	24537
GI	none	Score	45
Exons	23861..23905, 23862..23894, 23991..24050, 23991..24059, 23992..24051, 24123..24173, 24130..24171, 24283..24372, 24284..24349, 24286..24357, 24478..24537, 24479..24532		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o4.np	Method	AAT/NAP
Start	23867	End	24930
GI	5882735	Score	285
Exons	23867..23893, 23991..24050, 24129..24170, 24286..24351, 24478..24533, 24684..24930		
GI Descrip.	(AC008263) ESTs gb AA042183 and gb R86825 come from this gene. [Arabidopsis thaliana] gi 6646776 gb AAF21088.1 AC013258_26 (AC013258) unknown protein [Arabidopsis thaliana]		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o1.tw	Method	TBLASTX:Wheat
Start	23991	End	24537
GI	none	Score	87
Exons	23991..24056, 23991..24059, 24123..24149, 24147..24173, 24148..24177, 24149..24178, 24283..24372, 24284..24349, 24286..24357, 24478..24537, 24479..24532		

Seq. No.	39472	Seq. ID	OJ000118_18.0322.C6
Gene No.	81530	Strand	-
Start	8495	End	25114
Name	OJ000118_18.0322.C6.o2.tc	Method	TBLASTX:Cress
Start	24000	End	24537
GI	none	Score	35
Exons	24000..24050, 24129..24158, 24133..24153, 24283..24372, 24284..24349, 24286..24357, 24478..24537, 24479..24532		

Seq. No.	39473	Seq. ID	OJ000118_18.0322.C7
Gene No.	81531	Strand	+

Start	658	End	3461
Name	OJ000118_18.0322.C7.o1.np	Method	AAT/NAP
Start	658	End	2483
GI	6721512	Score	74
Exons	658..748, 776..912, 973..1139, 2441..2483		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	39473	Seq. ID	OJ000118_18.0322.C7
Gene No.	81531	Strand	+
Start	658	End	3461
Name	OJ000118_18.0322.C7.o3.np	Method	AAT/NAP
Start	1581	End	3461
GI	5902448	Score	122
Exons	1581..2090, 3418..3461		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	39473	Seq. ID	OJ000118_18.0322.C7
Gene No.	81531	Strand	+
Start	658	End	3461
Name	OJ000118_18.0322.C7.o2.np	Method	AAT/NAP
Start	1602	End	2604
GI	6721558	Score	92
Exons	1602..1715, 2545..2604		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815083 dbj BAA90369.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39473	Seq. ID	OJ000118_18.0322.C7
Gene No.	81532	Strand	-
Start	5486	End	5685
Name	OJ000118_18.0322.C7.o4.np	Method	AAT/NAP
Start	5486	End	5685
GI	2583130	Score	45
Exons	5486..5685		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927
Name	OJ000118_18.0322.C8.o1.gp	Method	AAT/GAP
Start	1	End	1261
GI	none	Score	764
Exons	1..149, 685..844, 1134..1261		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927
Name	OJ000118_18.0322.C8.o1.np	Method	AAT/NAP
Start	597	End	1927
GI	6714327	Score	637
Exons	597..844, 1134..1255, 1349..1470, 1847..1927		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927

Name	OJ000118_18.0322.C8.o1.tc	Method	TBLASTX:Cress
Start	631	End	1395
GI	none	Score	165
Exons	631..846, 672..845, 1121..1234, 1134..1256, 1134..1235, 1135..1257, 1216..1266, 1348..1395		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927
Name	OJ000118_18.0322.C8.o1.tm	Method	TBLASTX:Maize
Start	652	End	1927
GI	none	Score	178
Exons	652..846, 678..845, 829..885, 1108..1251, 1127..1252, 1133..1258, 1134..1253, 1216..1257, 1346..1471, 1348..1470, 1828..1926, 1841..1927		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927
Name	OJ000118_18.0322.C8.o1.ts	Method	TBLASTX:Soybean
Start	675	End	846
GI	none	Score	165
Exons	675..845, 676..846		

Seq. No.	39474	Seq. ID	OJ000118_18.0322.C8
Gene No.	81533	Strand	-
Start	1	End	1927
Name	OJ000118_18.0322.C8.o1.gs	Method	GENSCAN
Start	685	End	1255
GI	none	Score	.8
Exons	685..844, 1134..1255		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81534	Strand	+
Start	297	End	1989
Name	OJ000118_18.0322.C9.o1.gs	Method	GENSCAN
Start	297	End	1989
GI	none	Score	.9
Exons	297..340, 1020..1144, 1571..1989		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81534	Strand	+
Start	297	End	1989
Name	OJ000118_18.0322.C9.o1.np	Method	AAT/NAP
Start	1066	End	1986
GI	137476	Score	667
Exons	1066..1144, 1571..1986		
GI Descrip.	VACUOLAR ATP SYNTHASE 16 KD PROTEOLIPID SUBUNIT gi 82334 pir A40814 H+-transporting ATPase (EC 3.6.1.35) proteolipid chain, vacuolar - oat gi 166549 gb AAA32712.1 (M73232) H+-ATPase [Avena sativa]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81535	Strand	+
Start	12028	End	12088
Name	OJ000118_18.0322.C9.o5.gp	Method	AAT/GAP
Start	12028	End	12088

GI	2312838	Score	73
Exons	12028..12088		
GI Descrip.	1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81536	Strand	+
Start	12870	End	15800
Name	OJ000118_18.0322.C9.o6.gp	Method	AAT/GAP
Start	12757	End	13271
GI	26491_1.R1084	Score	1011
Exons	12757..13271		
GI Descrip.	'82410/pir S22505 8.0e-33 peroxidase (EC 1.11.1.7) BP1 precursor - barley >gi_167081 (M73234) peroxidase BP 1 [Hordeum vulgare]'		
Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81536	Strand	+
Start	12870	End	15800
Name	OJ000118_18.0322.C9.o4.gs	Method	GENSCAN
Start	12870	End	15616
GI	none	Score	.65
Exons	12870..13325, 14975..15616		
Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81536	Strand	+
Start	12870	End	15800
Name	OJ000118_18.0322.C9.o4.np	Method	AAT/NAP
Start	12882	End	15613
GI	82410	Score	963
Exons	12882..13325, 14975..15613		
GI Descrip.	peroxidase (EC 1.11.1.7) BP1 precursor - barley gi 167081 (M73234) peroxidase BP 1 [Hordeum vulgare]		
Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81536	Strand	+
Start	12870	End	15800
Name	OJ000118_18.0322.C9.o7.gp	Method	AAT/GAP
Start	14976	End	15800
GI	16611_1.R1084	Score	1580
Exons	14976..15800		
GI Descrip.	'1402914/emb CAA66962 3.0e-09 (X98318) peroxidase [Arabidopsis thaliana]'		
Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81537	Strand	+
Start	18791	End	21068
Name	OJ000118_18.0322.C9.o6.gs	Method	GENSCAN
Start	18791	End	21068
GI	none	Score	.8
Exons	18791..18909, 19890..20082, 20295..21068		
Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81538	Strand	+
Start	23857	End	24351
Name	OJ000118_18.0322.C9.o7.gs	Method	GENSCAN
Start	23857	End	24351

GI none
Exons 23857..24002, 24219..24351

Score .62

Seq. No. 39475
Gene No. 81539
Start 24970
Name OJ000118_18.0322.C9.o5.np
Start 24964
GI 82410
Exons 24964..26037
Seq. ID OJ000118_18.0322.C9
Strand +
End 26040
Method AAT/NAP
End 26037
Score 974
GI Descrip. peroxidase (EC 1.11.1.7) BP1 precursor - barley gi|167081 (M73234) peroxidase BP 1 [Hordeum vulgare]

Seq. No. 39475
Gene No. 81539
Start 24970
Name OJ000118_18.0322.C9.o8.gs
Start 24970
GI none
Exons 24970..26040
Seq. ID OJ000118_18.0322.C9
Strand +
End 26040
Method GENSCAN
End 26040
Score .57

Seq. No. 39475
Gene No. 81540
Start 29247
Name OJ000118_18.0322.C9.o10.gs
Start 29247
GI none
Exons 29247..29699, 30082..30705
Seq. ID OJ000118_18.0322.C9
Strand +
End 30711
Method GENSCAN
End 30705
Score .91

Seq. No. 39475
Gene No. 81540
Start 29247
Name OJ000118_18.0322.C9.o6.np
Start 29256
GI 82410
Exons 29256..29699, 30082..30711
Seq. ID OJ000118_18.0322.C9
Strand +
End 30711
Method AAT/NAP
End 30711
Score 1191
GI Descrip. peroxidase (EC 1.11.1.7) BP1 precursor - barley gi|167081 (M73234) peroxidase BP 1 [Hordeum vulgare]

Seq. No. 39475
Gene No. 81541
Start 34407
Name OJ000118_18.0322.C9.o8.np
Start 34407
GI 5080763
Exons 34407..34687, 34779..34905, 35275..35363, 35957..36134, 36253..36315
Seq. ID OJ000118_18.0322.C9
Strand +
End 36315
Method AAT/NAP
End 36315
Score 336
GI Descrip. (AC007203) Hypothetical protein [Arabidopsis thaliana]

Seq. No. 39475
Gene No. 81542
Start 39751
Name OJ000118_18.0322.C9.o10.gp
Start 39751
GI LIB3477-003-P1-K1-E9
Exons 39751..39815
Seq. ID OJ000118_18.0322.C9
Strand +
End 39815
Method AAT/GAP
End 39815
Score 83
GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81543	Strand	+
Start	40007	End	40723
Name	OJ000118_18.0322.C9.o13.gs	Method	GENSCAN
Start	40007	End	40723
GI	none	Score	.47
Exons	40007..40723		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81544	Strand	-
Start	2799	End	4613
Name	OJ000118_18.0322.C9.o1.gp	Method	AAT/GAP
Start	2681	End	4613
GI	11600_1.R1084	Score	1006
Exons	2681..2878, 3368..3400, 4168..4265, 4391..4613		
GI Descrip.	'466160/sp P34661 YOY3 CAEEL 3.0e-34 HYPOTHETICAL 9.8 KD PROTEIN ZK652.3 IN CHROMOSOME III >gi_630771_pir_S44903 ZK652.3 protein - Caenorhabditis elegans >gi_289769 (L14429) putative [Caenorhabditis elegans]'		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81544	Strand	-
Start	2799	End	4613
Name	OJ000118_18.0322.C9.o2.gs	Method	GENSCAN
Start	2799	End	4488
GI	none	Score	.98
Exons	2799..2878, 3368..3400, 4168..4265, 4391..4488		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81544	Strand	-
Start	2799	End	4613
Name	OJ000118_18.0322.C9.o2.np	Method	AAT/NAP
Start	2799	End	4458
GI	6437521	Score	315
Exons	2799..2878, 3368..3400, 4168..4265, 4391..4458		
GI Descrip.	(AC012193) unknown protein [Arabidopsis thaliana]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81545	Strand	-
Start	5237	End	10651
Name	OJ000118_18.0322.C9.o3.gs	Method	GENSCAN
Start	5237	End	10651
GI	none	Score	.67
Exons	5237..6220, 6311..6443, 6831..6899, 7351..7564, 7682..7976, 9098..9233, 9717..9999, 10350..10398, 10505..10651		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81545	Strand	-
Start	5237	End	10651
Name	OJ000118_18.0322.C9.o2.gp	Method	AAT/GAP
Start	6813	End	7565
GI	286400	Score	456
Exons	6813..6899, 7351..7565		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81545	Strand	-
Start	5237	End	10651
Name	OJ000118_18.0322.C9.o3.gp	Method	AAT/GAP
Start	8426	End	9177
GI	LIB3477-003-P1-K1-C10	Score	768
Exons	8426..8741, 9098..9177		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81545	Strand	-
Start	5237	End	10651
Name	OJ000118_18.0322.C9.o3.np	Method	AAT/NAP
Start	8670	End	10401
GI	7440314	Score	599
Exons	8670..8741, 9092..9233, 9717..9999, 10350..10401		
GI Descrip.	ribosomal protein S10, cytosolic - Arabidopsis thaliana gi 4539292 emb CAB39595.1 (AL049480) putative ribosomal protein S10 [Arabidopsis thaliana] gi 7269424 emb CAB81384.1 (AL161563) putative ribosomal protein S10 [Arabidopsis thaliana]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81545	Strand	-
Start	5237	End	10651
Name	OJ000118_18.0322.C9.o4.gp	Method	AAT/GAP
Start	9738	End	10557
GI	2428870	Score	657
Exons	9738..9999, 10350..10398, 10505..10557		
GI Descrip.	4539292/emb CAB39595.1 2.0e-43 (AL049480) putative ribosomal protein S10 [Arabidopsis thaliana]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81546	Strand	-
Start	17149	End	17502
Name	OJ000118_18.0322.C9.o5.gs	Method	GENSCAN
Start	17149	End	17502
GI	none	Score	.99
Exons	17149..17502		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81547	Strand	-
Start	26863	End	27189
Name	OJ000118_18.0322.C9.o9.gs	Method	GENSCAN
Start	26863	End	27189
GI	none	Score	1
Exons	26863..27189		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81548	Strand	-
Start	31293	End	34732
Name	OJ000118_18.0322.C9.o11.gs	Method	GENSCAN
Start	31293	End	34732
GI	none	Score	.59
Exons	31293..31403, 31653..31718, 31883..31973, 32230..32437, 32563..32575, 32711..32824, 32985..33098, 33987..34129, 34177..34732		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81548	Strand	-
Start	31293	End	34732
Name	OJ000118_18.0322.C9.o7.np	Method	AAT/NAP
Start	31623	End	34040
GI	6560768	Score	438
Exons	31623..31718, 31883..31973, 32230..32307, 32601..32842, 32964..33103, 33965..34040		
GI Descrip.	(AC010155) F3M18.7 [Arabidopsis thaliana]		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81549	Strand	-
Start	38878	End	39747
Name	OJ000118_18.0322.C9.o12.gs	Method	GENSCAN
Start	38878	End	39729
GI	none	Score	.81
Exons	38878..38993, 39711..39729		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81549	Strand	-
Start	38878	End	39747
Name	OJ000118_18.0322.C9.o9.gp	Method	AAT/GAP
Start	39295	End	39747
GI	LIB3432-059-P1-K1-D8	Score	706
Exons	39295..39747		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o2.tc	Method	TBLASTX:Cress
Start	1053	End	1992
GI	none	Score	114
Exons	1053..1148, 1054..1146, 1563..1799, 1564..1776, 1854..1910, 1855..1992		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o3.tw	Method	TBLASTX:Wheat
Start	1054	End	1799
GI	none	Score	111
Exons	1054..1146, 1065..1148, 1563..1799, 1564..1776		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o3.tm	Method	TBLASTX:Maize
Start	1062	End	1992
GI	none	Score	109
Exons	1062..1148, 1063..1146, 1563..1910, 1564..1776, 1855..1992, 1867..1923		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-

Start	41221	End	41372
Name	OJ000118_18.0322.C9.o2.ts	Method	TBLASTX:Soybean
Start	1072	End	1983
GI	none	Score	98
Exons	1072..1146, 1080..1148, 1563..1799, 1564..1776, 1854..1910, 1855..1983		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o7.tm	Method	TBLASTX:Maize
Start	2814	End	4444
GI	none	Score	109
Exons	2814..2882, 2818..2880, 3367..3402, 4169..4264, 4170..4265, 4388..4444, 4388..4444		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o2.tm	Method	TBLASTX:Maize
Start	8570	End	10408
GI	none	Score	54
Exons	8570..8599, 8651..8743, 9089..9247, 9096..9236, 9127..9258, 9614..9646, 9690..10001, 9700..9837, 9717..9998, 9764..10009, 10339..10407, 10352..10408		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o3.tc	Method	TBLASTX:Cress
Start	9098	End	10404
GI	none	Score	292
Exons	9098..9139, 9735..10034, 9764..10009, 10354..10404		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o3.ts	Method	TBLASTX:Soybean
Start	9101	End	10422
GI	none	Score	258
Exons	9101..9139, 9215..9235, 9744..10040, 9764..10009, 10352..10399, 10354..10422		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o1.tw	Method	TBLASTX:Wheat
Start	9106	End	10404
GI	none	Score	72
Exons	9106..9186, 9119..9139, 9129..9224, 9130..9225, 9690..10031, 9700..9837, 9717..10001, 9764..10009, 10339..10404, 10352..10399		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o1.tc	Method	TBLASTX:Cress
Start	12957	End	30636

GI	none	Score	212
Exons	12957..13172, 12974..13171, 13175..13318, 13176..13325, 14969..15067, 14977..15066, 15139..15519, 15140..15529, 19935..20084, 19936..20088, 20289..20441, 20432..21037, 20433..21047, 25051..25416, 25152..25292, 25356..25955, 25357..25965, 29337..29648, 29348..29656, 29646..29696, 30069..30137, 30082..30159, 30237..30368, 30238..30636, 30393..30635		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o1.ts	Method	TBLASTX:Soybean
Start	12971	End	30510
GI	none	Score	215
Exons	12971..13039, 12972..13172, 13067..13171, 13175..13318, 13176..13325, 14975..15409, 14977..15066, 15139..15408, 19932..20084, 19933..20088, 20289..20441, 20432..20920, 20433..20921, 25053..25289, 25057..25359, 25353..25841, 25357..25842, 29343..29648, 29345..29656, 29646..29693, 30081..30155, 30082..30156, 30217..30348, 30237..30509, 30238..30510		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o2.tw	Method	TBLASTX:Wheat
Start	12981	End	30288
GI	none	Score	153
Exons	12981..13172, 13094..13279, 14975..15040, 15026..15196, 19942..20088, 19951..20097, 20288..20314, 20289..20441, 20421..20552, 20441..20554, 20562..20699, 25066..25359, 25107..25190, 25179..25283, 25357..25461, 25465..25617, 25566..25607, 29358..29636, 29364..29414, 29471..29653, 29628..29693, 30082..30123, 30085..30126, 30220..30288, 30238..30288		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o4.tm	Method	TBLASTX:Maize
Start	13020	End	29702
GI	none	Score	131
Exons	13020..13184, 13079..13183, 13175..13294, 13176..13277, 13266..13328, 19981..20097, 19981..20127, 20289..20438, 25105..25350, 25111..25347, 29394..29702, 29405..29662		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o1.tm	Method	TBLASTX:Maize
Start	14977	End	30498
GI	none	Score	275
Exons	14977..15267, 14978..15268, 15272..15391, 15274..15390, 20439..20786, 20441..20785, 20790..20909, 20792..20881, 25357..25710, 25359..25709, 25708..25827, 25710..25826, 30084..30152, 30085..30159, 30211..30327, 30237..30374,		

30238..30375, 30384..30446, 30384..30497, 30385..30498

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o6.tm	Method	TBLASTX:Maize
Start	15392	End	30660
GI	none	Score	209
Exons	15392..15559, 15394..15558, 15661..15699, 20910..21062, 20918..21052, 25828..26001, 25830..26003, 25992..26036, 30499..30660, 30564..30629		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o8.tm	Method	TBLASTX:Maize
Start	32706	End	34230
GI	none	Score	125
Exons	32706..32825, 32711..32830, 32711..32830, 32982..33098, 32982..33095, 32983..33099, 32983..33099, 33984..34043, 33988..34047, 33989..34036, 34156..34230		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o4.ts	Method	TBLASTX:Soybean
Start	35273	End	36318
GI	none	Score	134
Exons	35273..35365, 35275..35364, 35957..36136, 35958..36134, 36253..36318		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o4.tc	Method	TBLASTX:Cress
Start	35287	End	36318
GI	none	Score	110
Exons	35287..35364, 35923..36120, 35957..36136, 35958..36134, 36253..36318		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o5.tm	Method	TBLASTX:Maize
Start	35985	End	36330
GI	none	Score	228
Exons	35985..36134, 35986..36135, 35987..36136, 36252..36329, 36253..36330		

Seq. No.	39475	Seq. ID	OJ000118_18.0322.C9
Gene No.	81550	Strand	-
Start	41221	End	41372
Name	OJ000118_18.0322.C9.o14.gs	Method	GENSCAN
Start	41221	End	41372
GI	none	Score	.85
Exons	41221..41372		

Seq. No.	39476	Seq. ID	OJ000118_18.0322.C11
Gene No.	81551	Strand	+
Start	67	End	201
Name	OJ000118_18.0322.C11.o1.gs	Method	GENSCAN
Start	67	End	201
GI	none	Score	.9
Exons	67..201		
Seq. No.	39477	Seq. ID	OJ000118_18.0322.C12
Gene No.	81552	Strand	-
Start	1	End	757
Name	OJ000118_18.0322.C12.o1.np	Method	AAT/NAP
Start	1	End	757
GI	6721517	Score	910
Exons	1..65, 114..757		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		
Seq. No.	39477	Seq. ID	OJ000118_18.0322.C12
Gene No.	81552	Strand	-
Start	1	End	757
Name	OJ000118_18.0322.C12.o1.gs	Method	GENSCAN
Start	118	End	647
GI	none	Score	.66
Exons	118..212, 431..647		
Seq. No.	39477	Seq. ID	OJ000118_18.0322.C12
Gene No.	81552	Strand	-
Start	1	End	757
Name	OJ000118_18.0322.C12.o1.tw	Method	TBLASTX:Wheat
Start	354	End	719
GI	none	Score	125
Exons	354..434, 426..719, 538..714		
Seq. No.	39477	Seq. ID	OJ000118_18.0322.C12
Gene No.	81552	Strand	-
Start	1	End	757
Name	OJ000118_18.0322.C12.o1.tm	Method	TBLASTX:Maize
Start	447	End	716
GI	none	Score	64
Exons	447..716, 510..632, 535..699		
Seq. No.	39478	Seq. ID	OJ000208_10.0331.C2
Gene No.	81553	Strand	+
Start	5	End	268
Name	OJ000208_10.0331.C2.o1.gs	Method	GENSCAN
Start	5	End	268
GI	none	Score	.85
Exons	5..268		
Seq. No.	39478	Seq. ID	OJ000208_10.0331.C2
Gene No.	81554	Strand	-
Start	2159	End	2846
Name	OJ000208_10.0331.C2.o2.gs	Method	GENSCAN
Start	2159	End	2737
GI	none	Score	.98
Exons	2159..2737		

Seq. No.	39478	Seq. ID	OJ000208_10.0331.C2
Gene No.	81554	Strand	-
Start	2159	End	2846
Name	OJ000208_10.0331.C2.o1.np	Method	AAT/NAP
Start	2162	End	2846
GI	6006375	Score	856
Exons	2162..2846		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	39479	Seq. ID	OJ000208_10.0331.C3
Gene No.	81555	Strand	+
Start	1	End	762
Name	OJ000208_10.0331.C3.o1.gp	Method	AAT/GAP
Start	1	End	699
GI	25874_1.R1084	Score	477
Exons	1..69, 149..256, 345..438, 673..699		
GI Descrip.	'3258569 5.0e-14 (U89959) Similar to yeast general negative regulator of transcription subunit 1 [Arabidopsis thaliana]'		

Seq. No.	39479	Seq. ID	OJ000208_10.0331.C3
Gene No.	81555	Strand	+
Start	1	End	762
Name	OJ000208_10.0331.C3.o1.gs	Method	GENSCAN
Start	149	End	762
GI	none	Score	.79
Exons	149..256, 345..431, 655..762		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.tm	Method	TBLASTX:Maize
Start	324	End	1326
GI	none	Score	253
Exons	324..485, 331..507, 343..492, 586..771, 593..823, 600..788, 873..971, 875..982, 877..1005, 1163..1291, 1173..1292, 1179..1292, 1180..1296, 1180..1326		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.np	Method	AAT/NAP
Start	342	End	1838
GI	3258569	Score	625
Exons	342..495, 594..785, 878..980, 1160..1300, 1583..1838		
GI Descrip.	(U89959) Similar to yeast general negative regulator of transcription subunit 1 [Arabidopsis thaliana]		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.gs	Method	GENSCAN
Start	379	End	1296
GI	none	Score	.89
Exons	379..495, 594..785, 878..982, 1168..1296		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
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Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.tc	Method	TBLASTX:Cress
Start	433	End	1269
GI	none	Score	90
Exons	433..507, 435..497, 594..788, 599..784, 875..952, 877..951, 1195..1269		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.tw	Method	TBLASTX:Wheat
Start	435	End	1218
GI	none	Score	82
Exons	435..497, 436..507, 581..784, 594..788, 598..792, 875..982, 875..937, 876..974, 877..981, 1179..1217, 1180..1218		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.gp	Method	AAT/GAP
Start	686	End	1309
GI	60824 1.R1084	Score	620
Exons	686..785, 878..982, 1168..1309		
GI Descrip.	'3258569 1.0e-41 (U89959) Similar to yeast general negative regulator of transcription subunit 1 [Arabidopsis thaliana]'		

Seq. No.	39480	Seq. ID	OJ000208_10.0331.C4
Gene No.	81556	Strand	+
Start	342	End	1838
Name	OJ000208_10.0331.C4.o1.ts	Method	TBLASTX:Soybean
Start	698	End	1301
GI	none	Score	151
Exons	698..784, 699..788, 875..982, 877..981, 1156..1296, 1185..1301, 1227..1298		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81557	Strand	+
Start	1	End	1026
Name	OJ000208_10.0331.C8.o1.np	Method	AAT/NAP
Start	1	End	250
GI	4836877	Score	168
Exons	1..250		
GI Descrip.	(AC007260) 1cl prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81557	Strand	+
Start	1	End	1026
Name	OJ000208_10.0331.C8.o1.gs	Method	GENSCAN
Start	116	End	1026
GI	none	Score	.49
Exons	116..152, 938..1026		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81558	Strand	+
Start	1429	End	2244

Name	OJ000208_10.0331.C8.o2.np	Method	AAT/NAP
Start	1423	End	2244
GI	629561	Score	262
Exons	1423..1682, 1910..2244		
GI Descrip.	SRG1 protein - Arabidopsis thaliana gi 479047 emb CAA55654 (X79052) SRG1 [Arabidopsis thaliana] gi 5734767 gb AAD50032.1 AC007651_27 (AC007651) SRG1 Protein [Arabidopsis thaliana]		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81558	Strand	+
Start	1429	End	2244
Name	OJ000208_10.0331.C8.o2.gs	Method	GENSCAN
Start	1429	End	2161
GI	none	Score	.49
Exons	1429..1572, 1910..2161		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81559	Strand	-
Start	982	End	2227
Name	OJ000208_10.0331.C8.o2.tm	Method	TBLASTX:Maize
Start	5	End	253
GI	none	Score	243
Exons	5..253, 13..252		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81559	Strand	-
Start	982	End	2227
Name	OJ000208_10.0331.C8.o1.tc	Method	TBLASTX:Cress
Start	8	End	2158
GI	none	Score	102
Exons	8..160, 1551..1691, 1895..2158, 1909..2157		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81559	Strand	-
Start	982	End	2227
Name	OJ000208_10.0331.C8.o1:gp	Method	AAT/GAP
Start	982	End	1379
GI	none	Score	762
Exons	982..1379		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81559	Strand	-
Start	982	End	2227
Name	OJ000208_10.0331.C8.o1.tm	Method	TBLASTX:Maize
Start	1452	End	2163
GI	none	Score	70
Exons	1452..1520, 1453..1518, 1498..1677, 1535..1678, 1536..1691, 1666..1734, 1859..2158, 1907..2158, 1909..2163		

Seq. No.	39481	Seq. ID	OJ000208_10.0331.C8
Gene No.	81559	Strand	-
Start	982	End	2227
Name	OJ000208_10.0331.C8.o1.ts	Method	TBLASTX:Soybean
Start	1584	End	2227
GI	none	Score	44
Exons	1584..1637, 1635..1691, 1895..2227, 1907..2122, 1909..2172		

Seq. No.	39482	Seq. ID	OJ000208_10.0331.C9
Gene No.	81560	Strand	+
Start	454	End	1322
Name	OJ000208_10.0331.C9.o1.np	Method	AAT/NAP
Start	454	End	1322
GI	1175647	Score	153
Exons	454..679, 1263..1322		
GI Descrip.	CYTOCHROME C BIOGENESIS PROTEIN CCSA gi 1363550 pir S58614 cytochrome c-type synthesis protein homolog - maize chloroplast gi 902283 emb CAA60348.1 (X86563) ORF321 [Zea mays]		

Seq. No.	39482	Seq. ID	OJ000208_10.0331.C9
Gene No.	81561	Strand	-
Start	623	End	836
Name	OJ000208_10.0331.C9.o1.gs	Method	GENSCAN
Start	623	End	836
GI	none	Score	.66
Exons	623..645, 779..836		

Seq. No.	39483	Seq. ID	OJ000208_10.0331.C10
Gene No.	81562	Strand	+
Start	379	End	464
Name	OJ000208_10.0331.C10.o1.gp	Method	AAT/GAP
Start	379	End	464
GI	none	Score	170
Exons	379..464		

Seq. No.	39483	Seq. ID	OJ000208_10.0331.C10
Gene No.	81563	Strand	+
Start	1052	End	1377
Name	OJ000208_10.0331.C10.o1.np	Method	AAT/NAP
Start	1052	End	1377
GI	7287999	Score	48
Exons	1052..1117, 1205..1377		
GI Descrip.	(AL138646) enoyl-CoA-hydratase-like protein [Arabidopsis thaliana]		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81564	Strand	+
Start	298	End	888
Name	OJ000208_10.0331.C11.o1.gp	Method	AAT/GAP
Start	298	End	888
GI	23551 1.R1084	Score	864
Exons	298..685, 709..888		
GI Descrip.	'11957/emb X15901 CHOSXX 1.0e-166 Rice complete chloroplast genome'		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81564	Strand	+
Start	298	End	888
Name	OJ000208_10.0331.C11.o1.gs	Method	GENSCAN
Start	466	End	515
GI	none	Score	.58
Exons	466..515		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
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Gene No.	81565	Strand	-
Start	1237	End	1602
Name	OJ000208_10.0331.C11.o2.gp	Method	AAT/GAP
Start	1237	End	1602
GI	3409_1.R1084	Score	505
Exons	1237..1602		
GI Descrip.	'3281868/emb CAA19764 7.0e-47 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81565	Strand	-
Start	1237	End	1602
Name	OJ000208_10.0331.C11.o3.gp	Method	AAT/GAP
Start	1237	End	1602
GI	3409_1.R1084	Score	503
Exons	1237..1602		
GI Descrip.	'3281868/emb CAA19764 7.0e-47 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81566	Strand	-
Start	2726	End	3118
Name	OJ000208_10.0331.C11.o2.gs	Method	GENSCAN
Start	2726	End	3118
GI	none	Score	.72
Exons	2726..3118		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o1.np	Method	AAT/NAP
Start	3902	End	8163
GI	7444451	Score	4276
Exons	3902..8163		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi 2586082 gb AAB82754.1 (U72725) retrofit [Oryza longistaminata]		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o1.ts	Method	TBLASTX:Soybean
Start	3917	End	4549
GI	none	Score	52
Exons	3917..4549, 3960..4127, 4031..4351, 4179..4355, 4422..4547		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o3.tc	Method	TBLASTX:Cress
Start	3926	End	4375
GI	none	Score	66
Exons	3926..4120, 4154..4276, 4155..4277, 4286..4375		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163

Name	OJ000208_10.0331.C11.o1.tm	Method	TBLASTX:Maize
Start	3959	End	4423
GI	none	Score	105
Exons	3959..4126, 3959..4246, 4197..4247, 4248..4382, 4253..4381, 4361..4423		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o2.tw	Method	TBLASTX:Wheat
Start	4313	End	4750
GI	none	Score	218
Exons	4313..4750, 4314..4745		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o5.tm	Method	TBLASTX:Maize
Start	4424	End	4616
GI	none	Score	210
Exons	4424..4615, 4425..4616		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o4.tc	Method	TBLASTX:Cress
Start	4616	End	4864
GI	none	Score	194
Exons	4616..4864		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o2.tm	Method	TBLASTX:Maize
Start	4685	End	5125
GI	none	Score	38
Exons	4685..5011, 4731..4778, 4821..5012, 5018..5125, 5034..5102		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o3.tw	Method	TBLASTX:Wheat
Start	4754	End	5257
GI	none	Score	61
Exons	4754..4927, 4919..5011, 5015..5257, 5034..5099, 5160..5240		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o2.ts	Method	TBLASTX:Soybean
Start	4928	End	5440
GI	5509260	Score	68
Exons	4928..5023, 4956..5015, 5018..5440, 5034..5288		
GI Descrip.	-		

Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-

Start 3902
Name OJ000208_10.0331.C11.o2.tc
Start 5039
GI none
Exons 5039..5308, 5040..5294

End 8163
Method TBLASTX:Cress
End 5308
Score 160

Seq. No. 39484
Gene No. 81567
Start 3902
Name OJ000208_10.0331.C11.o7.tm
Start 5129
GI none
Exons 5129..5395, 5169..5387

Seq. ID OJ000208_10.0331.C11
Strand -
End 8163
Method TBLASTX:Maize
End 5395
Score 103

Seq. No. 39484
Gene No. 81567
Start 3902
Name OJ000208_10.0331.C11.o4.tw
Start 5990
GI none
Exons 5990..6346, 5991..6143, 6155..6325

Seq. ID OJ000208_10.0331.C11
Strand -
End 8163
Method TBLASTX:Wheat
End 6346
Score 80

Seq. No. 39484
Gene No. 81567
Start 3902
Name OJ000208_10.0331.C11.o1.tc
Start 6002
GI none
Exons 6002..6466, 6180..6446

Seq. ID OJ000208_10.0331.C11
Strand -
End 8163
Method TBLASTX:Cress
End 6466
Score 95

Seq. No. 39484
Gene No. 81567
Start 3902
Name OJ000208_10.0331.C11.o4.tm
Start 6017
GI none
Exons 6017..6343, 6024..6350

Seq. ID OJ000208_10.0331.C11
Strand -
End 8163
Method TBLASTX:Maize
End 6350
Score 116

Seq. No. 39484
Gene No. 81567
Start 3902
Name OJ000208_10.0331.C11.o3.ts
Start 6020
GI none
Exons 6020..6451

Seq. ID OJ000208_10.0331.C11
Strand -
End 8163
Method TBLASTX:Soybean
End 6451
Score 275

Seq. No. 39484
Gene No. 81567
Start 3902
Name OJ000208_10.0331.C11.o1.tw
Start 6880
GI none
Exons 6880..7260, 6897..7028, 6898..7215, 6899..7261, 7077..7265, 7085..7261

Seq. ID OJ000208_10.0331.C11
Strand -
End 8163
Method TBLASTX:Wheat
End 7265
Score 77

Seq. No. 39484
Gene No. 81567

Seq. ID OJ000208_10.0331.C11
Strand -

Start	3902	End	8163
Name	OJ000208_10.0331.C11.o6.tm	Method	TBLASTX:Maize
Start	6880	End	7170
GI	none	Score	99
Exons	6880..7170, 6881..7096		
Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o3.tm	Method	TBLASTX:Maize
Start	7636	End	8067
GI	none	Score	149
Exons	7636..7914, 7636..7938, 7987..8067		
Seq. No.	39484	Seq. ID	OJ000208_10.0331.C11
Gene No.	81567	Strand	-
Start	3902	End	8163
Name	OJ000208_10.0331.C11.o5.tw	Method	TBLASTX:Wheat
Start	7636	End	8070
GI	none	Score	60
Exons	7636..7815, 7840..8070, 7844..7939		
Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81568	Strand	+
Start	2951	End	3031
Name	OJ000208_10.0331.C14.o1.gp	Method	AAT/GAP
Start	2951	End	3031
GI	38012_1.R1084	Score	105
Exons	2951..3031		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		
Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81569	Strand	+
Start	3374	End	3493
Name	OJ000208_10.0331.C14.o3.np	Method	AAT/NAP
Start	3374	End	3493
GI	6815067	Score	61
Exons	3374..3493		
GI Descrip.	(AP001080) ESTs AU082210(C53655),AU056546(S20671), AU056545(S20671) correspond to a region of the predicted gene.; Similar to putative RNA-binding protein (AC004261) [Oryza sativa]		
Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81570	Strand	+
Start	3977	End	7062
Name	OJ000208_10.0331.C14.o3.gs	Method	GENSCAN
Start	3977	End	7062
GI	none	Score	.52
Exons	3977..4066, 4198..4360, 5162..5550, 5558..5868, 6001..6334, 6793..7062		
Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81570	Strand	+
Start	3977	End	7062
Name	OJ000208_10.0331.C14.o4.np	Method	AAT/NAP

Start	5237	End	7038
GI	4836877	Score	535
Exons	5237..5486, 5621..5868, 6001..6334, 6793..7038		
GI Descrip.	(AC007260) lcl prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.np	Method	AAT/NAP
Start	1	End	3505
GI	5923669	Score	1013
Exons	1..1983, 3431..3505		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.tm	Method	TBLASTX:Maize
Start	6	End	1946
GI	none	Score	65
Exons	6..458, 9..275, 132..452, 160..321, 168..548, 184..315, 360..761, 426..755, 459..863, 523..756, 660..1085, 808..1035, 828..1100, 963..1325, 1266..1670, 1366..1689, 1368..1670, 1380..1541, 1495..1689, 1545..1844, 1572..1760, 1623..1847, 1672..1914, 1785..1946, 1905..1946		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.tw	Method	TBLASTX:Wheat
Start	24	End	1712
GI	none	Score	106
Exons	24..494, 28..321, 381..785, 415..759, 714..1109, 1017..1406, 1021..1302, 1290..1712, 1449..1535		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.tc	Method	TBLASTX:Cress
Start	51	End	1973
GI	none	Score	65
Exons	51..176, 99..278, 117..512, 136..330, 159..596, 177..386, 360..467, 471..752, 471..899, 511..732, 537..692, 663..761, 771..1004, 774..890, 774..1208, 774..1079, 907..1056, 1077..1505, 1122..1349, 1377..1973, 1413..1661, 1683..1838, 1743..1967		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o2.ts	Method	TBLASTX:Soybean
Start	90	End	1844
GI	none	Score	82
Exons	90..461, 115..318, 393..764, 693..1085, 1023..1349, 1302..1673, 1369..1674, 1608..1844		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.gs	Method	GENSCAN
Start	264	End	2718
GI	none	Score	.66
Exons	264..2111, 2653..2718		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o2.np	Method	AAT/NAP
Start	2483	End	6030
GI	7242910	Score	65
Exons	2483..2574, 3052..3110, 3216..3497, 5995..6030		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o2.gs	Method	GENSCAN
Start	3087	End	3594
GI	none	Score	.8
Exons	3087..3196, 3276..3594		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o2.tm	Method	TBLASTX:Maize
Start	5230	End	6232
GI	none	Score	82
Exons	5230..5316, 5250..5297, 5398..5481, 5398..5481, 5436..5489, 5618..5881, 5618..5869, 5620..5880, 5996..6160, 5998..6162, 5999..6175, 6137..6232, 6146..6229		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o1.ts	Method	TBLASTX:Soybean
Start	5439	End	6834
GI	none	Score	62
Exons	5439..5489, 5618..5881, 5620..5868, 5999..6262, 6121..6261, 6272..6337, 6289..6339, 6787..6834		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o2.tc	Method	TBLASTX:Cress
Start	5439	End	7038
GI	none	Score	67
Exons	5439..5489, 5618..5896, 5620..5868, 6010..6114, 6113..6262, 6127..6261, 6278..6337, 6787..6879, 6946..7038		

Seq. No.	39485	Seq. ID	OJ000208_10.0331.C14
Gene No.	81571	Strand	-
Start	1	End	7038
Name	OJ000208_10.0331.C14.o3.tm	Method	TBLASTX:Maize

Start	6787	End	7038
GI	none	Score	144
Exons	6787..6888, 6792..6887, 6923..7006, 6946..7014, 6951..7010, 7012..7038		

Seq. No.	39486	Seq. ID	OJ000208_10.0331.C20
Gene No.	81572	Strand	-
Start	1	End	256
Name	OJ000208_10.0331.C20.o1.gp	Method	AAT/GAP
Start	1	End	256
GI	none	Score	341
Exons	1..256		

Seq. No.	39486	Seq. ID	OJ000208_10.0331.C20
Gene No.	81573	Strand	-
Start	1265	End	1323
Name	OJ000208_10.0331.C20.o2.gp	Method	AAT/GAP
Start	1265	End	1323
GI	none	Score	118
Exons	1265..1323		

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81574	Strand	+
Start	178	End	529
Name	OJ000208_10.0331.C21.o1.gp	Method	AAT/GAP
Start	178	End	529
GI	LIB3475-008-P1-K1-D3	Score	681
Exons	178..529		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81575	Strand	+
Start	3873	End	8829
Name	OJ000208_10.0331.C21.o2.np	Method	AAT/NAP
Start	3409	End	5337
GI	7340868	Score	38
Exons	3409..3440, 5164..5337		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81575	Strand	+
Start	3873	End	8829
Name	OJ000208_10.0331.C21.o2.gs	Method	GENSCAN
Start	3873	End	8085
GI	none	Score	.91
Exons	3873..3933, 5588..5702, 5842..5977, 6833..7133, 7224..7452, 7542..7881, 7972..8085		

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81575	Strand	+
Start	3873	End	8829
Name	OJ000208_10.0331.C21.o3.np	Method	AAT/NAP
Start	5853	End	8829
GI	3258569	Score	419
Exons	5853..5986, 6938..7144, 7235..7452, 7542..7881, 8638..8829		
GI Descrip.	(U89959) Similar to yeast general negative regulator of		

transcription subunit 1 [Arabidopsis thaliana]

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81576	Strand	-
Start	489	End	2042
Name	OJ000208_10.0331.C21.o1.np	Method	AAT/NAP
Start	489	End	2042
GI	7485395	Score	175
Exons	489..593, 958..1064, 1487..1581, 1824..1867, 1956..2042		
GI Descrip.	hypothetical protein F12C20.13 - Arabidopsis thaliana gi 3426043 gb AAC32242.1 (AC005168) putative choline kinase [Arabidopsis thaliana]		

Seq. No.	39487	Seq. ID	OJ000208_10.0331.C21
Gene No.	81577	Strand	
Start	8402	End	8765
Name	OJ000208_10.0331.C21.o1.tm	Method	TBLASTX:Maize
Start	8402	End	8765
GI	none	Score	123
Exons	8402..8482, 8403..8489, 8405..8491, 8424..8558, 8487..8549, 8623..8763, 8623..8763, 8637..8765, 8643..8765		

Seq. No.	39488	Seq. ID	OJ000208_10.0331.C23
Gene No.	81578	Strand	+
Start	1	End	1138
Name	OJ000208_10.0331.C23.o1.np	Method	AAT/NAP
Start	1	End	1138
GI	3258569	Score	74
Exons	1..35, 671..811, 1055..1138		
GI Descrip.	(U89959) Similar to yeast general negative regulator of transcription subunit 1 [Arabidopsis thaliana]		

Seq. No.	39488	Seq. ID	OJ000208_10.0331.C23
Gene No.	81578	Strand	+
Start	1	End	1138
Name	OJ000208_10.0331.C23.o1.tm	Method	TBLASTX:Maize
Start	670	End	823
GI	none	Score	98
Exons	670..795, 670..789, 671..823, 671..796		

Seq. No.	39488	Seq. ID	OJ000208_10.0331.C23
Gene No.	81578	Strand	+
Start	1	End	1138
Name	OJ000208_10.0331.C23.o1.gs	Method	GENSCAN
Start	671	End	797
GI	none	Score	.7
Exons	671..797		

Seq. No.	39489	Seq. ID	OJ000208_10.0331.C25
Gene No.	81579	Strand	+
Start	856	End	1124
Name	OJ000208_10.0331.C25.o1.gp	Method	AAT/GAP
Start	856	End	1046
GI	5005274	Score	335
Exons	856..1046		

Seq. No.	39489	Seq. ID	OJ000208_10.0331.C25
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Gene No. 81579
 Start 856
 Name OJ000208_10.0331.C25.o1.gs
 Start 924
 GI none
 Exons 924..1124

Strand +
 End 1124
 Method GENSCAN
 End 1124
 Score .85

Seq. No. 39490
 Gene No. 81580
 Start 245
 Name OJ000208_10.0331.C26.o1.gs
 Start 245
 GI none
 Exons 245..347

Seq. ID OJ000208_10.0331.C26
 Strand +
 End 347
 Method GENSCAN
 End 347
 Score .97

Seq. No. 39490
 Gene No. 81581
 Start 1783
 Name OJ000208_10.0331.C26.o1.np
 Start 1783
 GI 6714453
 Exons 1783..2052
 GI Descrip. (AC011620) unknown protein [Arabidopsis thaliana]

Seq. ID OJ000208_10.0331.C26
 Strand +
 End 2052
 Method AAT/NAP
 End 2052
 Score 228

Seq. No. 39490
 Gene No. 81582
 Start 3132
 Name OJ000208_10.0331.C26.o3.np
 Start 3132
 GI 6069646
 Exons 3132..3186, 3415..3578, 6740..7535, 7818..8809
 GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP0011 similar to Arabidopsis thaliana chromosome II BAC F9013 gene sequence, putative non-LTR retroelement reverse transcriptase (AC006248) [Oryza sativa]

Seq. ID OJ000208_10.0331.C26
 Strand +
 End 8809
 Method AAT/NAP
 End 8809
 Score 920

Seq. No. 39490
 Gene No. 81582
 Start 3132
 Name OJ000208_10.0331.C26.o3.gs
 Start 4542
 GI none
 Exons 4542..4633, 5258..5426, 5661..5711, 5922..6031, 6124..8347

Seq. ID OJ000208_10.0331.C26
 Strand +
 End 8809
 Method GENSCAN
 End 8347
 Score .52

Seq. No. 39490
 Gene No. 81583
 Start 2385
 Name OJ000208_10.0331.C26.o2.gs
 Start 2385
 GI none
 Exons 2385..3452

Seq. ID OJ000208_10.0331.C26
 Strand +
 End 3993
 Method GENSCAN
 End 3452
 Score .98

Seq. No. 39490
 Gene No. 81583
 Start 2385
 Name OJ000208_10.0331.C26.o2.np

Seq. ID OJ000208_10.0331.C26
 Strand -
 End 3993
 Method AAT/NAP

Start	2388	End	3952
GI	7488133	Score	704
Exons	2388..3455, 3905..3952		
GI Descrip.	probable metalloproteinase (EC 3.4.24.-) - Arabidopsis thaliana gi 2245019 emb CAB10439.1 (Z97341) proteinase like protein [Arabidopsis thaliana] gi 7268414 emb CAB78706.1 (AL161544) proteinase like protein [Arabidopsis thaliana]		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81583	Strand	-
Start	2385	End	3993
Name	OJ000208_10.0331.C26.o1.gp	Method	AAT/GAP
Start	3612	End	3993
GI	2428577	Score	711
Exons	3612..3993		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81584	Strand	-
Start	8584	End	9119
Name	OJ000208_10.0331.C26.o4.np	Method	AAT/NAP
Start	8584	End	9119
GI	6498457	Score	79
Exons	8584..8800, 9050..9119		
GI Descrip.	(AP000816) EST AU032536(S10696) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81585	Strand	-
Start	9101	End	11118
Name	OJ000208_10.0331.C26.o4.gs	Method	GENSCAN
Start	9101	End	11118
GI	none	Score	.98
Exons	9101..9962, 11066..11118		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81586	Strand	-
Start	12119	End	12988
Name	OJ000208_10.0331.C26.o5.gs	Method	GENSCAN
Start	12119	End	12988
GI	none	Score	.84
Exons	12119..12988		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81586	Strand	-
Start	12119	End	12988
Name	OJ000208_10.0331.C26.o5.np	Method	AAT/NAP
Start	12169	End	12891
GI	4895247	Score	361
Exons	12169..12595, 12632..12891		
GI Descrip.	(AC007659) putative metalloproteinase [Arabidopsis thaliana]		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o6.tm	Method	TBLASTX:Maize
Start	1762	End	2094
GI	none	Score	45

Exons 1762..1803, 1766..1792, 1816..1848, 1843..2055, 1845..2054,
1867..2094, 1871..2056

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o3.ts	Method	TBLASTX:Soybean
Start	1768	End	2001
GI	none	Score	217
Exons	1768..2001, 1797..2000		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o3.tc	Method	TBLASTX:Cress
Start	1801	End	2056
GI	none	Score	236
Exons	1801..2049, 1818..2048, 1886..2056		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o1.tc	Method	TBLASTX:Cress
Start	2464	End	14762
GI	none	Score	249
Exons	2464..2880, 2499..2879, 2988..3035, 3096..3218, 9272..9331, 9273..9338, 9347..9442, 9347..9436, 9473..9538, 9605..9700, 9779..9814, 12278..12538, 12288..12521, 12539..12568, 12647..12739, 12821..12856, 14205..14522, 14224..14367, 14592..14648, 14724..14762		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o9.tm	Method	TBLASTX:Maize
Start	2499	End	14372
GI	none	Score	156
Exons	2499..2702, 2508..2663, 9246..9332, 9272..9331, 9347..9433, 9348..9425, 12278..12373, 12288..12467, 12290..12493, 14208..14372, 14224..14367		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o1.ts	Method	TBLASTX:Soybean
Start	2505	End	14531
GI	none	Score	96
Exons	2505..2702, 2587..2676, 2691..2879, 2692..2862, 2958..3047, 3099..3227, 3100..3228, 9272..9331, 9347..9433, 9348..9425, 9698..9814, 12296..12466, 12297..12467, 12743..12856, 14214..14372, 14239..14367, 14418..14531		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o1.tw	Method	TBLASTX:Wheat
Start	2598	End	14795

GI	none	Score	75
Exons	2598..2666, 2610..2678, 2614..2676, 2691..2873, 2695..2868, 2946..3032, 3099..3311, 3099..3311, 9351..9425, 9353..9433, 9353..9433, 9479..9511, 9479..9538, 9605..9655, 9605..9742, 9729..9782, 9749..9814, 12386..12466, 12402..12476, 12647..12784, 12791..12868, 14304..14372, 14323..14367, 14418..14522, 14418..14531, 14592..14642, 14772..14795		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o5.tm	Method	TBLASTX:Maize
Start	6125	End	6561
GI	none	Score	290
Exons	6125..6556, 6253..6360, 6415..6561		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o3.tw	Method	TBLASTX:Wheat
Start	6632	End	6967
GI	none	Score	98
Exons	6632..6766, 6647..6715, 6761..6967, 6787..6957		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o1.tm	Method	TBLASTX:Maize
Start	6713	End	7138
GI	none	Score	439
Exons	6713..7138, 6739..7137		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o2.tm	Method	TBLASTX:Maize
Start	7138	End	7753
GI	none	Score	386
Exons	7138..7341, 7142..7753		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o2.tw	Method	TBLASTX:Wheat
Start	7397	End	7834
GI	none	Score	220
Exons	7397..7690, 7429..7659, 7676..7834, 7741..7833		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o8.tm	Method	TBLASTX:Maize
Start	7756	End	7990
GI	none	Score	222
Exons	7756..7989, 7757..7990		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
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Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o4.tw	Method	TBLASTX:Wheat
Start	7991	End	8383
GI	none	Score	103
Exons	7991..8131, 8231..8383		
Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o3.tm	Method	TBLASTX:Maize
Start	8323	End	8602
GI	none	Score	122
Exons	8323..8532, 8323..8532, 8333..8602, 8333..8539		
Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o6.np	Method	AAT/NAP
Start	14083	End	16148
GI	4895247	Score	401
Exons	14083..14763, 16054..16148		
GI Descrip.	(AC007659) putative metalloproteinase [Arabidopsis thaliana]		
Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o6.gs	Method	GENSCAN
Start	14115	End	14900
GI	none	Score	1
Exons	14115..14900		
Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o7.gs	Method	GENSCAN
Start	15625	End	17201
GI	none	Score	.82
Exons	15625..15870, 16013..16337, 16565..16782, 16968..17201		
Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o7.np	Method	AAT/NAP
Start	15628	End	17228
GI	4836877	Score	627
Exons	15628..15870, 16013..16337, 16535..16782, 16968..17228		
GI Descrip.	(AC007260) lcl prt_seq No definition line found [Arabidopsis thaliana]		
Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o4.tm	Method	TBLASTX:Maize
Start	15647	End	16046
GI	none	Score	244
Exons	15647..15886, 15652..15900, 16014..16046		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o2.tc	Method	TBLASTX:Cress
Start	15733	End	17138
GI	none	Score	75
Exons	15733..15885, 15788..15886, 16010..16216, 16014..16211, 16022..16216, 16534..16779, 16965..17138		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o2.ts	Method	TBLASTX:Soybean
Start	15829	End	16779
GI	none	Score	103
Exons	15829..15885, 16010..16339, 16017..16211, 16504..16779		

Seq. No.	39490	Seq. ID	OJ000208_10.0331.C26
Gene No.	81587	Strand	-
Start	14115	End	17228
Name	OJ000208_10.0331.C26.o7.tm	Method	TBLASTX:Maize
Start	16046	End	17199
GI	none	Score	57
Exons	16046..16126, 16052..16111, 16109..16198, 16122..16169, 16178..16339, 16178..16339, 16246..16347, 16527..16778, 16528..16779, 16535..16783, 16570..16788, 16965..17156, 16966..17175, 17154..17198, 17155..17199		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81588	Strand	+
Start	3210	End	6752
Name	OJ000208_10.0331.C30.o1.gp	Method	AAT/GAP
Start	3046	End	3304
GI	568621	Score	506
Exons	3046..3304		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81588	Strand	+
Start	3210	End	6752
Name	OJ000208_10.0331.C30.o1.gs	Method	GENSCAN
Start	3210	End	4552
GI	none	Score	.74
Exons	3210..3623, 3805..4194, 4280..4552		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81588	Strand	+
Start	3210	End	6752
Name	OJ000208_10.0331.C30.o2.np	Method	AAT/NAP
Start	3377	End	6752
GI	2959732	Score	414
Exons	3377..3606, 3811..3870, 3922..4444, 6727..6752		
GI Descrip.	(Y13649) homologous to GATA-binding transcription factors [Arabidopsis thaliana] gi 4895246 gb AAD32831.1 AC007659_13 (AC007659) putative GATA-type zinc finger transcription factor [Arabidopsis thaliana]		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81589	Strand	-
Start	1	End	1597
Name	OJ000208_10.0331.C30.o1.np	Method	AAT/NAP
Start	1	End	1597
GI	93557	Score	46
Exons	1..157, 194..335, 1536..1597		
GI Descrip.	ORF1 protein - rice tungro bacilliform virus		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81590	Strand	-
Start	4472	End	4859
Name	OJ000208_10.0331.C30.o2.gp	Method	AAT/GAP
Start	4472	End	4859
GI	55714_1.R1084	Score	708
Exons	4472..4859		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 4.0e-17 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81591	Strand	-
Start	5860	End	6381
Name	OJ000208_10.0331.C30.o1.tc	Method	TBLASTX:Cress
Start	3799	End	4426
GI	none	Score	92
Exons	3799..3870, 4210..4269, 4231..4395, 4262..4426		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81591	Strand	-
Start	5860	End	6381
Name	OJ000208_10.0331.C30.o1.tm	Method	TBLASTX:Maize
Start	4194	End	4426
GI	none	Score	78
Exons	4194..4268, 4204..4269, 4231..4395, 4262..4426		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81591	Strand	-
Start	5860	End	6381
Name	OJ000208_10.0331.C30.o1.ts	Method	TBLASTX:Soybean
Start	4194	End	4426
GI	none	Score	78
Exons	4194..4268, 4204..4269, 4231..4395, 4262..4426		

Seq. No.	39491	Seq. ID	OJ000208_10.0331.C30
Gene No.	81591	Strand	-
Start	5860	End	6381
Name	OJ000208_10.0331.C30.o2.gs	Method	GENSCAN
Start	5860	End	6381
GI	none	Score	.83
Exons	5860..5936, 6285..6381		

Seq. No.	39492	Seq. ID	OJ000208_10.0331.C31
Gene No.	81592	Strand	-
Start	329	End	804
Name	OJ000208_10.0331.C31.o1.gp	Method	AAT/GAP
Start	329	End	804
GI	3759017	Score	878

Exons 329..804
 GI Descrip. 5441876/dbj|AP000367.1|AP000367 4.0e-17 Oryza sativa genomic
 DNA, chromosome 2, clone:P0437H03 (contig b)

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81593	Strand	+
Start	874	End	1115
Name	OJ000118_14.0331.C1.o1.gs	Method	GENSCAN
Start	874	End	1115
GI	none	Score	.87
Exons	874..987, 1092..1115		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81594	Strand	+
Start	4810	End	11926
Name	OJ000118_14.0331.C1.o3.gs	Method	GENSCAN
Start	4810	End	11926
GI	none	Score	.66
Exons	4810..5053, 5135..5397, 5495..6056, 7061..7209, 7523..7730, 7850..8133, 8288..9386, 10309..10439, 10518..10874, 11309..11642, 11736..11926		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81595	Strand	+
Start	15586	End	16023
Name	OJ000118_14.0331.C1.o4.gs	Method	GENSCAN
Start	15586	End	16023
GI	none	Score	.76
Exons	15586..16023		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81596	Strand	+
Start	27260	End	27342
Name	OJ000118_14.0331.C1.o4.np	Method	AAT/NAP
Start	27260	End	27342
GI	6630699	Score	84
Exons	27260..27342		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81597	Strand	+
Start	27476	End	28982
Name	OJ000118_14.0331.C1.o5.np	Method	AAT/NAP
Start	27476	End	28982
GI	6539570	Score	159
Exons	27476..27669, 27829..27895, 28923..28982		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81598	Strand	-
Start	2260	End	24227
Name	OJ000118_14.0331.C1.o2.gs	Method	GENSCAN
Start	2260	End	4432
GI	none	Score	.61
Exons	2260..2811, 2890..3011, 3087..3245, 3544..3830, 3975..4175,		

4362..4432

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81598	Strand	-
Start	2260	End	24227
Name	OJ000118_14.0331.C1.o3.np	Method	AAT/NAP
Start	3533	End	24227
GI	6498458	Score	71
Exons	3533..3918, 5787..5985, 17601..17676, 23833..24227		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81598	Strand	-
Start	2260	End	24227
Name	OJ000118_14.0331.C1.o5.gs	Method	GENSCAN
Start	20149	End	24146
GI	none	Score	.54
Exons	20149..20173, 22773..22859, 23494..23632, 23798..24146		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81599	Strand	-
Start	25684	End	27669
Name	OJ000118_14.0331.C1.o1.tm	Method	TBLASTX:Maize
Start	2278	End	3187
GI	none	Score	124
Exons	2278..2361, 2566..2595, 2707..2778, 2770..2814, 2890..3180, 2893..3186, 2942..3187		

Seq. No.	39493	Seq. ID	OJ000118_14.0331.C1
Gene No.	81599	Strand	-
Start	25684	End	27669
Name	OJ000118_14.0331.C1.o6.gs	Method	GENSCAN
Start	25684	End	27669
GI	none	Score	.86
Exons	25684..25745, 27624..27669		

Seq. No.	39494	Seq. ID	OJ000118_14.0331.C2
Gene No.	81600	Strand	-
Start	2794	End	2926
Name	OJ000118_14.0331.C2.o1.gp	Method	AAT/GAP
Start	2794	End	2926
GI	35479_1.R1084	Score	231
Exons	2794..2926		
GI Descrip.	'2982431/emb CAA18239.1 2.0e-31 (AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]'		

Seq. No.	39494	Seq. ID	OJ000118_14.0331.C2
Gene No.	81601	Strand	-
Start	4890	End	15262
Name	OJ000118_14.0331.C2.o2.gs	Method	GENSCAN
Start	4890	End	15262
GI	none	Score	.52
Exons	4890..5258, 7445..7618, 8011..8053, 8245..8389, 8469..8577, 8858..8986, 9099..9195, 9803..9867, 10439..10797, 15049..15262		

Seq. No.	39494	Seq. ID	OJ000118_14.0331.C2
Gene No.	81601	Strand	-

Start	4890	End	15262
Name	OJ000118_14.0331.C2.o2.tm	Method	TBLASTX:Maize
Start	7508	End	8387
GI	none	Score	169
Exons	7508..7618, 7509..7619, 7509..7619, 8011..8055, 8244..8387, 8245..8385, 8249..8386		

Seq. No.	39494	Seq. ID	OJ000118_14.0331.C2
Gene No.	81601	Strand	-
Start	4890	End	15262
Name	OJ000118_14.0331.C2.o1.np	Method	AAT/NAP
Start	8231	End	9891
GI	1176814	Score	308
Exons	8231..8389, 8469..8577, 8858..8986, 9099..9195, 9803..9891		
GI Descrip.	HYPOTHETICAL 31.3 KD PROTEIN IN AGAI-MTR INTERGENIC REGION (F286) gi 606086 gb AAA57949.1 (U18997) ORF_f286 [Escherichia coli] gi 1789535 (AE000395) orf, hypothetical protein [Escherichia coli]		

Seq. No.	39494	Seq. ID	OJ000118_14.0331.C2
Gene No.	81601	Strand	-
Start	4890	End	15262
Name	OJ000118_14.0331.C2.o1.tm	Method	TBLASTX:Maize
Start	8856	End	9869
GI	none	Score	125
Exons	8856..8957, 8858..8986, 8859..8945, 9023..9070, 9078..9197, 9093..9197, 9094..9201, 9100..9201, 9802..9867, 9803..9868, 9804..9869		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o1.np	Method	AAT/NAP
Start	1863	End	5075
GI	7485827	Score	190
Exons	1863..2010, 2747..2950, 3498..3761, 5053..5075		
GI Descrip.	hypothetical protein F20B18.110 - Arabidopsis thaliana gi 4538929 emb CAB39665.1 (AL049483) putative nucleic acid binding protein [Arabidopsis thaliana] gi 7269451 emb CAB79455.1 (AL161564) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o2.gs	Method	GENSCAN
Start	2636	End	11138
GI	none	Score	.64
Exons	2636..2950, 3498..3729, 5292..5443, 5553..6260, 6404..6595, 8030..8161, 8701..8854, 9221..10439, 11057..11138		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o4.np	Method	AAT/NAP
Start	5280	End	10536
GI	7485993	Score	414

Exons 5280..5344, 9448..10149, 10327..10536
 GI Descrip. hypothetical protein F22013.31 - Arabidopsis thaliana
 gi|3063469|gb|AAC14057.1| (AC003981) F22013.31 [Arabidopsis
 thaliana]

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o2.np	Method	AAT/NAP
Start	5292	End	7868
GI	7485827	Score	80
Exons	5292..5438, 5638..5839, 6350..6595, 7850..7868		
GI Descrip.	hypothetical protein F20B18.110 - Arabidopsis thaliana gi 4538929 emb CAB39665.1 (AL049483) putative nucleic acid binding protein [Arabidopsis thaliana] gi 7269451 emb CAB79455.1 (AL161564) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o1.gp	Method	AAT/GAP
Start	8743	End	9107
GI	none	Score	508
Exons	8743..9107		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o2.gp	Method	AAT/GAP
Start	9224	End	10030
GI	31987_1.R1084	Score	1582
Exons	9224..10030		
GI Descrip.	'3063469 2.0e-25 (AC003981) F22013.31 [Arabidopsis thaliana]'		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81602	Strand	+
Start	1863	End	11459
Name	OJ000118_14.0331.C4.o3.gp	Method	AAT/GAP
Start	10228	End	11459
GI	none	Score	1253
Exons	10228..10556, 11057..11459		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81603	Strand	+
Start	13279	End	15285
Name	OJ000118_14.0331.C4.o5.np	Method	AAT/NAP
Start	12694	End	15282
GI	6579208	Score	402
Exons	12694..12797, 14024..14311, 14403..14533, 14607..14822, 14902..15282		
GI Descrip.	(AC011438) T23G18.9 [Arabidopsis thaliana]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81603	Strand	+
Start	13279	End	15285
Name	OJ000118_14.0331.C4.o3.gs	Method	GENSCAN

Start	13279	End	15285
GI	none	Score	.9
Exons	13279..13357, 14024..14311, 14403..14533, 14607..14822, 14902..15285		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81604	Strand	+
Start	15539	End	16060
Name	OJ000118_14.0331.C4.o4.gp	Method	AAT/GAP
Start	15539	End	16060
GI	none	Score	980
Exons	15539..16060		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81605	Strand	+
Start	25107	End	26414
Name	OJ000118_14.0331.C4.o6.gs	Method	GENSCAN
Start	25107	End	26414
GI	none	Score	.89
Exons	25107..25128, 25567..25796, 25995..26136, 26278..26414		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81606	Strand	-
Start	745	End	2050
Name	OJ000118_14.0331.C4.o1.gs	Method	GENSCAN
Start	745	End	2050
GI	none	Score	.61
Exons	745..927, 1081..1214, 1960..2050		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81607	Strand	-
Start	15812	End	18205
Name	OJ000118_14.0331.C4.o4.gs	Method	GENSCAN
Start	15812	End	18181
GI	none	Score	1
Exons	15812..18181		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81607	Strand	-
Start	15812	End	18205
Name	OJ000118_14.0331.C4.o6.np	Method	AAT/NAP
Start	15815	End	18205
GI	7487007	Score	1650
Exons	15815..16961, 17010..17212, 17264..18205		
GI Descrip.	hypothetical protein T14P8.16 - Arabidopsis thaliana gi 3193284 gb AAC19268.1 (AF069298) T14P8.16 gene product [Arabidopsis thaliana] gi 7268995 emb CAB80728.1 (AL161494) AT4g02350 [Arabidopsis thaliana]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81607	Strand	-
Start	15812	End	18205
Name	OJ000118_14.0331.C4.o5.gp	Method	AAT/GAP
Start	16331	End	16856
GI	LIB3434-015-P1-K1-G9	Score	983
Exons	16331..16856		
GI Descrip.	'3193284 2.0e-36 (AF069298) No definition line found		

[Arabidopsis thaliana]'

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81607	Strand	-
Start	15812	End	18205
Name	OJ000118_14.0331.C4.o6.gp	Method	AAT/GAP
Start	16845	End	17582
GI	31041_1.R1084	Score	1442
Exons	16845..17582		
GI Descrip.	'3193284 1.0e-52 (AF069298) No definition line found [Arabidopsis thaliana]'		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o9.tm	Method	TBLASTX:Maize
Start	5542	End	5954
GI	none	Score	127
Exons	5542..5706, 5550..5675, 5702..5797, 5703..5816, 5703..5816, 5779..5802, 5796..5864, 5817..5864, 5845..5886, 5892..5954, 5893..5952, 5906..5953		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o8.tm	Method	TBLASTX:Maize
Start	7990	End	8926
GI	none	Score	62
Exons	7990..8043, 7994..8044, 8000..8062, 8030..8107, 8606..8668, 8607..8687, 8663..8917, 8664..8918, 8668..8925, 8672..8926		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o1.tm	Method	TBLASTX:Maize
Start	9094	End	10514
GI	none	Score	34
Exons	9094..9120, 9221..9307, 9222..9599, 9223..9585, 9407..9628, 9526..9648, 9594..9665, 9643..9987, 9646..9990, 10057..10209, 10057..10185, 10064..10198, 10327..10506, 10339..10476, 10341..10502, 10347..10514		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o4.tc	Method	TBLASTX:Cress
Start	9718	End	10518
GI	none	Score	225
Exons	9718..9981, 9733..9927, 10333..10518, 10356..10508		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o5.ts	Method	TBLASTX:Soybean
Start	9718	End	9978
GI	none	Score	230
Exons	9718..9978, 9724..9930		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o5.tc	Method	TBLASTX:Cress
Start	13717	End	15140
GI	none	Score	65
Exons	13717..13770, 14411..14542, 14598..14804, 14974..15126, 14976..15140		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o3.ts	Method	TBLASTX:Soybean
Start	14149	End	14810
GI	none	Score	109
Exons	14149..14313, 14423..14542, 14598..14750, 14760..14810		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o12.tm	Method	TBLASTX:Maize
Start	14459	End	14825
GI	none	Score	46
Exons	14459..14506, 14601..14825, 14621..14812		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o11.tm	Method	TBLASTX:Maize
Start	14983	End	15285
GI	none	Score	113
Exons	14983..15090, 14983..15075, 14988..15077, 14996..15100, 15079..15123, 15085..15123, 15086..15124, 15133..15228, 15138..15242, 15247..15285, 15252..15284		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o4.tm	Method	TBLASTX:Maize
Start	15812	End	16741
GI	none	Score	164
Exons	15812..16054, 15816..16052, 16107..16406, 16115..16459, 16490..16618, 16613..16741		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o2.ts	Method	TBLASTX:Soybean
Start	15930	End	17020
GI	none	Score	87
Exons	15930..16040, 15935..16054, 16109..16459, 16112..16408, 16116..16415, 16442..16891, 16509..16589, 16623..16811, 16739..16888, 16845..16889, 16914..17009, 16916..17020		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-

Start	20588	End	24612
Name	OJ000118_14.0331.C4.o3.tm	Method	TBLASTX:Maize
Start	16743	End	17258
GI	none	Score	512
Exons	16743..17258, 16743..17252, 16745..17257		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o2.tc	Method	TBLASTX:Cress
Start	16787	End	17272
GI	none	Score	237
Exons	16787..17272, 16836..17270		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o6.tm	Method	TBLASTX:Maize
Start	17261	End	17630
GI	none	Score	208
Exons	17261..17623, 17261..17629, 17280..17630, 17316..17630		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o6.ts	Method	TBLASTX:Soybean
Start	17381	End	17620
GI	none	Score	107
Exons	17381..17620, 17418..17606		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o7.tm	Method	TBLASTX:Maize
Start	17750	End	18190
GI	none	Score	204
Exons	17750..18094, 17761..18030, 17861..18130, 18085..18135, 18158..18190		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o4.ts	Method	TBLASTX:Soybean
Start	17765	End	18124
GI	none	Score	141
Exons	17765..18094, 17861..18124		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o3.tc	Method	TBLASTX:Cress
Start	17789	End	18094
GI	none	Score	236
Exons	17789..18094		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-

Start	20588	End	24612
Name	OJ000118_14.0331.C4.o5.gs	Method	GENSCAN
Start	20588	End	24576
GI	none	Score	.81
Exons	20588..20681, 21122..21153, 21327..21440, 21524..21694, 21768..21831, 22246..22394, 22542..22595, 22700..22876, 22976..23254, 23423..23585, 24170..24576		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o7.np	Method	AAT/NAP
Start	21265	End	24612
GI	2425107	Score	1731
Exons	21265..21440, 21524..21694, 21768..21831, 22246..22394, 22542..22595, 22700..22876, 22976..23254, 23360..23585, 24170..24323, 24365..24612		
GI Descrip.	(AF019907) glutathione reductase (NADPH) [Vitis vinifera]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o5.tm	Method	TBLASTX:Maize
Start	21300	End	22735
GI	none	Score	152
Exons	21300..21443, 21301..21441, 21316..21444, 21333..21446, 21506..21685, 21524..21694, 21525..21707, 21741..21836, 21753..21836, 21772..21858, 22221..22394, 22239..22394, 22246..22395, 22246..22395, 22507..22602, 22509..22595, 22700..22735, 22706..22735		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o1.ts	Method	TBLASTX:Soybean
Start	21303	End	24318
GI	none	Score	102
Exons	21303..21443, 21327..21443, 21524..21685, 21524..21694, 21531..21707, 21741..21836, 21753..21836, 21772..21837, 22221..22394, 22234..22395, 22246..22395, 22248..22397, 22507..22596, 22509..22595, 22700..22876, 22704..22886, 22932..23240, 22952..23257, 23129..23257, 23357..23584, 23357..23584, 23361..23588, 23463..23585, 24184..24255, 24250..24318		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o1.tc	Method	TBLASTX:Cress
Start	21307	End	24318
GI	none	Score	121
Exons	21307..21441, 21312..21443, 21521..21616, 21524..21694, 21528..21707, 21753..21836, 21772..21837, 22221..22394, 22246..22395, 22509..22595, 22516..22599, 22700..22876, 22701..22886, 22932..23240, 22952..23257, 22976..23257, 23357..23584, 23358..23588, 23424..23585, 24164..24229, 24169..24255, 24232..24318, 24278..24307		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o7.gp	Method	AAT/GAP
Start	22225	End	22871
GI	2310074	Score	681
Exons	22225..22394, 22542..22595, 22700..22871		
GI Descrip.	3130064/emb CAA06835 1.0e-51 (AJ006055) glutathione reductase [Zea mays]		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o1.tw	Method	TBLASTX:Wheat
Start	22353	End	23165
GI	none	Score	99
Exons	22353..22394, 22658..22780, 22769..22876, 22973..23164, 23040..23165		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o2.tm	Method	TBLASTX:Maize
Start	22736	End	23468
GI	none	Score	134
Exons	22736..22876, 22737..22886, 22738..22878, 22944..23240, 22952..23257, 22967..23257, 23357..23467, 23361..23468		

Seq. No.	39495	Seq. ID	OJ000118_14.0331.C4
Gene No.	81608	Strand	-
Start	20588	End	24612
Name	OJ000118_14.0331.C4.o10.tm	Method	TBLASTX:Maize
Start	24172	End	24321
GI	none	Score	66
Exons	24172..24321, 24173..24226, 24278..24307		

Seq. No.	39496	Seq. ID	OJ000118_14.0331.C5
Gene No.	81609	Strand	+
Start	93	End	659
Name	OJ000118_14.0331.C5.o1.gs	Method	GENSCAN
Start	93	End	659
GI	none	Score	.67
Exons	93..150, 382..659		

Seq. No.	39496	Seq. ID	OJ000118_14.0331.C5
Gene No.	81610	Strand	+
Start	3035	End	3099
Name	OJ000118_14.0331.C5.o1.gp	Method	AAT/GAP
Start	3035	End	3099
GI	uC-osroM202018c07b1	Score	105
Exons	3035..3099		
GI Descrip.	'3130064/emb CAA06835 1.0e-51 (AJ006055) glutathione reductase [Zea mays]'		

Seq. No.	39497	Seq. ID	OJ000118_14.0331.C6
Gene No.	81611	Strand	+

Start	4694	End	5105
Name	OJ000118_14.0331.C6.o1.np	Method	AAT/NAP
Start	4694	End	5105
GI	6539570	Score	194
Exons	4694..4894, 5039..5105		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39497	Seq. ID	OJ000118_14.0331.C6
Gene No.	81612	Strand	-
Start	1445	End	2652
Name	OJ000118_14.0331.C6.o1.gp	Method	AAT/GAP
Start	1288	End	1765
GI	uC-osroM202018c07b1	Score	912
Exons	1288..1765		
GI Descrip.	'3130064/emb CAA06835 1.0e-51 (AJ006055) glutathione reductase [Zea mays]'		

Seq. No.	39497	Seq. ID	OJ000118_14.0331.C6
Gene No.	81612	Strand	-
Start	1445	End	2652
Name	OJ000118_14.0331.C6.o1.gs	Method	GENSCAN
Start	1445	End	2652
GI	none	Score	.92
Exons	1445..1881, 2304..2429, 2592..2652		

Seq. No.	39497	Seq. ID	OJ000118_14.0331.C6
Gene No.	81613	Strand	-
Start	4694	End	4814
Name	OJ000118_14.0331.C6.o2.gs	Method	GENSCAN
Start	4694	End	4814
GI	none	Score	.81
Exons	4694..4814		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81614	Strand	+
Start	949	End	2293
Name	OJ000118_14.0331.C7.o2.np	Method	AAT/NAP
Start	949	End	2293
GI	6630699	Score	83
Exons	949..997, 2211..2293		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81615	Strand	+
Start	2420	End	2836
Name	OJ000118_14.0331.C7.o3.np	Method	AAT/NAP
Start	2420	End	2836
GI	6539570	Score	175
Exons	2420..2623, 2770..2836		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o2.gp	Method	AAT/GAP

Start	8239	End	12405
GI	uC-osf1M202097b03b1	Score	852
Exons	8239..8340, 11962..12152, 12222..12405		
GI Descrip.	'2244813/emb CAB10236.1 4.0e-15 (Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]'		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o6.np	Method	AAT/NAP
Start	9752	End	18072
GI	6978513	Score	414
Exons	9752..9837, 12833..12896, 12979..13263, 14532..14733, 14819..15073, 15734..15902, 16044..16104, 16211..16333, 17199..17396, 17527..17595, 17835..17911, 18009..18072		
GI Descrip.	n-acylaminoacyl-peptide hydrolase gi 113178 sp P13676 ACPH_RAT ACYLAMINO-ACID-RELEASING ENZYME (ACYL-PEPTIDE HYDROLASE) (APH) (ACYLAMINOACYL-PEPTIDASE) gi 91923 pir S07624 acylaminoacyl-peptidase (EC 3.4.19.1) - rat gi 202932 gb AAA88506.1 (J04733) acyl-peptide hydrolase [Rattus norvegicus]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o4.np	Method	AAT/NAP
Start	10846	End	11068
GI	132675	Score	202
Exons	10846..11068		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi 71222 pir R5NT14 ribosomal protein L14 - common tobacco chloroplast gi 11864 emb CAA77379 (Z00044) ribosomal protein L14 [Nicotiana tabacum] gi 225233 prf 1211235BQ ribosomal protein L14 [Nicotiana tabacum]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o3.gs	Method	GENSCAN
Start	11993	End	24044
GI	none	Score	.83
Exons	11993..12152, 12222..12531, 12675..12896, 12979..13203, 13527..13601, 14101..14236, 14477..14513, 14532..14577, 14819..14901, 14987..15108, 15214..15292, 15734..15902, 16044..16104, 16211..16333, 17157..17396, 19878..20001, 20094..20403, 20494..20715, 20808..21047, 21209..21286, 21323..21518, 21566..21747, 21833..21915, 22008..22132, 22244..22322, 22406..22574, 22653..22713, 22794..22916, 23034..23231, 23409..23477, 23726..23802, 23957..24044		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o5.np	Method	AAT/NAP
Start	12002	End	15872
GI	7488047	Score	925
Exons	12002..12154, 12230..12531, 12675..12896, 12979..13191,		

13533..13601, 14819..14901, 14987..15108, 15214..15296,
15833..15872
GI Descrip. probable acylaminoacyl-peptidase - Arabidopsis thaliana
gi|2244813|emb|CAB10236.1| (Z97336) acylaminoacyl-peptidase like
protein [Arabidopsis thaliana] gi|7268163|emb|CAB78499.1|
(AL161539) acylaminoacyl-peptidase like protein [Arabidopsis
thaliana]

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o3.gp	Method	AAT/GAP
Start	12682	End	15124
GI	25148_1.R1084	Score	1828
Exons	12682..12896, 12979..13203, 13527..13601, 14101..14236, 14582..14733, 14819..14901, 14987..15124		

GI Descrip. '2244813/emb|CAB10236.1| 2.0e-41 (Z97336)
acylaminoacyl-peptidase like protein [Arabidopsis thaliana]'

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o4.gp	Method	AAT/GAP
Start	17199	End	18276
GI	13056_1.R1084	Score	1115
Exons	17199..17396, 17527..17595, 17835..17911, 18009..18276		
GI Descrip.	'113178/sp P13676 ACPH_RAT 9.0e-24 ACYLAMINO-ACID-RELEASING ENZYME (ACYL-PEPTIDE HYDROLASE) (APH) (ACYLAMINOACYL-PEPTIDASE) >gi_91923_pir_S07624 acylaminoacyl-peptidase (EC 3.4.19.1) - rat>gi_202932 (J04733) acyl-peptide hydrolase [Rattus norvegicus]'		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o10.np	Method	AAT/NAP
Start	19206	End	24020
GI	1619608	Score	317
Exons	19206..19261, 20378..20403, 20494..20715, 20808..21217, 21621..21747, 21833..21915, 22008..22140, 22365..22574, 22653..22713, 22794..22916, 23034..23231, 23409..23477, 23726..23802, 23957..24020		

GI Descrip. (X14915) acyl-peptide hydrolase [Rattus norvegicus]

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o7.np	Method	AAT/NAP
Start	19851	End	22128
GI	7488047	Score	818
Exons	19851..20002, 20101..20403, 20494..20715, 20808..21039, 21225..21286, 21833..21915, 22008..22128		

GI Descrip. probable acylaminoacyl-peptidase - Arabidopsis thaliana
gi|2244813|emb|CAB10236.1| (Z97336) acylaminoacyl-peptidase like
protein [Arabidopsis thaliana] gi|7268163|emb|CAB78499.1|
(AL161539) acylaminoacyl-peptidase like protein [Arabidopsis
thaliana]

Seq. No. 39498 Seq. ID OJ000118_14.0331.C7
Gene No. 81616 Strand +
Start 8239 End 24987
Name OJ000118_14.0331.C7.o9.np Method AAT/NAP
Start 19851 End 22313
GI 7488047 Score 832
Exons 19851..20002, 20101..20403, 20494..20715, 20808..21039,
21225..21286, 21833..21915, 22008..22126, 22244..22313
GI Descrip. probable acylaminoacyl-peptidase - Arabidopsis thaliana
gi|2244813|emb|CAB10236.1| (Z97336) acylaminoacyl-peptidase like
protein [Arabidopsis thaliana] gi|7268163|emb|CAB78499.1|
(AL161539) acylaminoacyl-peptidase like protein [Arabidopsis
thaliana]

Seq. No. 39498 Seq. ID OJ000118_14.0331.C7
Gene No. 81616 Strand +
Start 8239 End 24987
Name OJ000118_14.0331.C7.o8.np Method AAT/NAP
Start 19851 End 22226
GI 7488047 Score 800
Exons 19851..20002, 20101..20403, 20494..20715, 20808..21039,
21225..21286, 21833..21915, 22008..22226
GI Descrip. probable acylaminoacyl-peptidase - Arabidopsis thaliana
gi|2244813|emb|CAB10236.1| (Z97336) acylaminoacyl-peptidase like
protein [Arabidopsis thaliana] gi|7268163|emb|CAB78499.1|
(AL161539) acylaminoacyl-peptidase like protein [Arabidopsis
thaliana]

Seq. No. 39498 Seq. ID OJ000118_14.0331.C7
Gene No. 81616 Strand +
Start 8239 End 24987
Name OJ000118_14.0331.C7.o11.np Method AAT/NAP
Start 20234 End 24020
GI 1703089 Score 369
Exons 20234..20403, 20494..20715, 20808..21217, 21621..21747,
21833..22042, 22362..22574, 22653..22713, 22794..22916,
23034..23231, 23409..23477, 23726..23802, 23957..24020
GI Descrip. ACYLAMINO-ACID-RELEASING ENZYME (ACYL-PEPTIDE HYDROLASE) (APH)
(ACYLAMINOACYL-PEPTIDASE) (DNF15S2 PROTEIN)
gi|2118063|pir||JC4655 acylaminoacyl-peptidase (EC 3.4.19.1) -
human gi|556514|dbj|BAA07476| (D38441) acylamino acid-releasing
enzyme [Homo sapiens]

Seq. No. 39498 Seq. ID OJ000118_14.0331.C7
Gene No. 81616 Strand +
Start 8239 End 24987
Name OJ000118_14.0331.C7.o5.gp Method AAT/GAP
Start 22018 End 22711
GI 17463_1.R1084 Score 751
Exons 22018..22132, 22244..22322, 22406..22574, 22653..22711
GI Descrip. '1703089/sp|P13798|ACPH HUMAN 2.0e-10 ACYLAMINO-ACID-RELEASING
ENZYME (ACYL-PEPTIDE HYDROLASE) (APH) (ACYLAMINOACYL-PEPTIDASE)
(DNF15S2 PROTEIN) >gi_2118063_pir_JC4655
acylaminoacyl-peptidase (EC 3.4.19.1) - human
>gi_556514_dbj_BAA07476_ (D38441) acylamino acid-releasing
enzyme [Homo sapiens]'

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o6.gp	Method	AAT/GAP
Start	23411	End	24205
GI	none	Score	706
Exons	23411..23477, 23726..23802, 23957..24205		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81616	Strand	+
Start	8239	End	24987
Name	OJ000118_14.0331.C7.o12.np	Method	AAT/NAP
Start	23562	End	24987
GI	5852084	Score	81
Exons	23562..23583, 24896..24987		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81617	Strand	-
Start	1	End	6604
Name	OJ000118_14.0331.C7.o1.np	Method	AAT/NAP
Start	1	End	2155
GI	5922620	Score	343
Exons	1..59, 116..219, 268..430, 593..626, 1498..1555, 1997..2074, 2117..2155		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81617	Strand	-
Start	1	End	6604
Name	OJ000118_14.0331.C7.o1.gs	Method	GENSCAN
Start	79	End	6604
GI	none	Score	.82
Exons	79..391, 515..825, 1021..1170, 1568..1920, 1980..2180, 2204..2270, 2438..2553, 2564..2920, 4257..4315, 6402..6544, 6581..6604		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81617	Strand	-
Start	1	End	6604
Name	OJ000118_14.0331.C7.o1.gp	Method	AAT/GAP
Start	3009	End	3107
GI	5867_1.R1084	Score	119
Exons	3009..3107		
GI Descrip.	'464986/sp P35132 UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir_S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81618	Strand	-
Start	8189	End	10772
Name	OJ000118_14.0331.C7.o2.gs	Method	GENSCAN
Start	8189	End	10772
GI	none	Score	.78
Exons	8189..8395, 9182..9399, 9952..9976, 10506..10583, 10704..10772		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o3.ts	Method	TBLASTX:Soybean
Start	10857	End	11067
GI	none	Score	48
Exons	10857..10898, 10858..10893, 10890..11018, 10902..11015, 11010..11066, 11011..11067, 11020..11067		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o3.tc	Method	TBLASTX:Cress
Start	10858	End	11069
GI	none	Score	50
Exons	10858..10893, 10866..10901, 10879..10962, 10889..11017, 10890..11018, 11002..11067, 11031..11066, 11031..11069		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o2.tm	Method	TBLASTX:Maize
Start	11959	End	20406
GI	none	Score	242
Exons	11959..12147, 11966..12148, 11973..12152, 11990..12148, 12217..12531, 12221..12532, 12239..12532, 12243..12533, 19847..19987, 19875..20000, 20089..20403, 20093..20404, 20095..20406, 20205..20405		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o2.tc	Method	TBLASTX:Cress
Start	12452	End	20871
GI	none	Score	98
Exons	12452..12532, 12679..12789, 12769..12885, 12977..13060, 20324..20404, 20500..20577, 20501..20608, 20588..20704, 20800..20871		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o3.tm	Method	TBLASTX:Maize
Start	12778	End	20988
GI	none	Score	78
Exons	12778..12834, 12780..12806, 12791..12889, 12838..12894, 12850..12891, 12852..12896, 12973..13143, 12977..13147, 12980..13147, 20600..20683, 20657..20713, 20800..20883, 20802..20885, 20805..20885, 20807..20887, 20895..20987,		

20902..20988

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o2.ts	Method	TBLASTX:Soybean
Start	14095	End	21655
GI	none	Score	58
Exons	14095..14142, 14096..14152, 14098..14148, 14155..14208, 14158..14214, 14159..14212, 14582..14641, 21236..21286, 21237..21284, 21378..21431, 21383..21427, 21433..21456, 21438..21542, 21596..21655		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o5.tm	Method	TBLASTX:Maize
Start	14581	End	21904
GI	none	Score	241
Exons	14581..14739, 14582..14731, 14812..14877, 14816..14890, 14817..14888, 21471..21536, 21596..21745, 21598..21750, 21598..21747, 21831..21896, 21844..21903, 21845..21904		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o1.tm	Method	TBLASTX:Maize
Start	15061	End	24014
GI	none	Score	49
Exons	15061..15114, 15220..15294, 15724..15768, 15732..15770, 15766..15903, 15786..15899, 15787..15900, 16042..16104, 16044..16100, 16208..16333, 16210..16329, 16255..16338, 17196..17399, 17198..17398, 17524..17595, 17820..17909, 17831..17899, 18009..18062, 18010..18069, 22109..22135, 22241..22324, 22252..22323, 22371..22451, 22424..22570, 22429..22575, 22440..22574, 22441..22605, 22641..22709, 22651..22713, 22791..22916, 22793..22918, 22793..22915, 23029..23226, 23030..23248, 23031..23234, 23406..23477, 23408..23476, 23412..23477, 23721..23798, 23723..23827, 23725..23799, 23957..24013, 23958..24014		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o1.tw	Method	TBLASTX:Wheat
Start	17236	End	24028
GI	none	Score	243
Exons	17236..17370, 17237..17440, 17238..17399, 17507..17593, 17524..17595, 17526..17594, 17820..17912, 17820..17912, 17831..17926, 17834..17917, 18001..18072, 18006..18077, 18006..18074, 18010..18099, 18011..18085, 23072..23233, 23073..23234, 23079..23237, 23406..23477, 23408..23476, 23723..23800, 23725..23787, 23949..24014, 23951..24019, 23954..24028		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-

Start	24709	End	27113
Name	OJ000118_14.0331.C7.o7.gp	Method	AAT/GAP
Start	24681	End	26591
GI	LIB3434-060-P1-K1-C1	Score	663
Exons	24681..24772, 25476..25617, 25728..25821, 26543..26591		
GI Descrip.	'2707336 6.0e-27 (AF037442) histone acetyltransferase [Arabidopsis thaliana]'		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o4.tm	Method	TBLASTX:Maize
Start	24700	End	26660
GI	none	Score	185
Exons	24700..24774, 25461..25637, 25475..25612, 25697..25825, 25723..25821, 25725..25823, 25729..25827, 26543..26656, 26559..26657, 26568..26660		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o4.gs	Method	GENSCAN
Start	24709	End	27113
GI	none	Score	.77
Exons	24709..24772, 25476..25617, 25728..25821, 26907..27113		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o13.np	Method	AAT/NAP
Start	24712	End	26658
GI	7258364	Score	367
Exons	24712..24772, 25476..25617, 25728..25817, 26539..26658		
GI Descrip.	(AL138656) histon acetyltransferase HAT1 [Arabidopsis thaliana]		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o1.tc	Method	TBLASTX:Cress
Start	25457	End	26656
GI	none	Score	164
Exons	25457..25612, 25461..25631, 25714..25824, 25723..25830, 25728..25832, 26543..26602, 26618..26656		

Seq. No.	39498	Seq. ID	OJ000118_14.0331.C7
Gene No.	81619	Strand	-
Start	24709	End	27113
Name	OJ000118_14.0331.C7.o1.ts	Method	TBLASTX:Soybean
Start	25509	End	26656
GI	4295717	Score	131
Exons	25509..25631, 25511..25612, 25723..25830, 25734..25805, 25735..25818, 26540..26602, 26609..26656		
GI Descrip.	2707336 1.0e-69 (AF037442) histone acetyltransferase [Arabidopsis thaliana]		

Seq. No.	39499	Seq. ID	OJ000118_14.0331.C8
Gene No.	81620	Strand	-

Start	1	End	2632
Name	OJ000118_14.0331.C8.o1.np	Method	AAT/NAP
Start	1	End	2632
GI	7258364	Score	702
Exons	1..51, 639..707, 897..996, 1169..1212, 1601..1830, 2219..2290, 2396..2476, 2543..2632		
GI Descrip.	(AL138656) histon acetyltransferase HAT1 [Arabidopsis thaliana]		

Seq. No.	39499	Seq. ID	OJ000118_14.0331.C8
Gene No.	81620	Strand	-
Start	1	End	2632
Name	OJ000118_14.0331.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	1818
GI	none	Score	74
Exons	1..51, 7..54, 638..709, 639..710, 639..710, 640..711, 885..998, 897..995, 1160..1213, 1165..1215, 1166..1213, 1167..1214, 1646..1759, 1662..1817, 1663..1818		

Seq. No.	39499	Seq. ID	OJ000118_14.0331.C8
Gene No.	81620	Strand	-
Start	1	End	2632
Name	OJ000118_14.0331.C8.o1.tc	Method	TBLASTX:Cress
Start	2	End	2610
GI	none	Score	58
Exons	2..58, 639..710, 897..998, 897..995, 1660..1827, 1661..1756, 1662..1832, 1663..1827, 2224..2292, 2393..2470, 2395..2475, 2395..2475, 2536..2610		

Seq. No.	39499	Seq. ID	OJ000118_14.0331.C8
Gene No.	81620	Strand	-
Start	1	End	2632
Name	OJ000118_14.0331.C8.o1.gs	Method	GENSCAN
Start	639	End	2433
GI	none	Score	.79
Exons	639..707, 897..1043, 1662..1830, 2219..2290, 2396..2433		

Seq. No.	39499	Seq. ID	OJ000118_14.0331.C8
Gene No.	81620	Strand	-
Start	1	End	2632
Name	OJ000118_14.0331.C8.o1.ts	Method	TBLASTX:Soybean
Start	2257	End	2619
GI	none	Score	71
Exons	2257..2292, 2394..2465, 2395..2478, 2395..2475, 2536..2619, 2540..2608		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81621	Strand	+
Start	1059	End	2474
Name	OJ000208_03.0310.C2.o1.gs	Method	GENSCAN
Start	1059	End	2474
GI	none	Score	.55
Exons	1059..1203, 1812..2002, 2047..2226, 2268..2474		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81622	Strand	-
Start	3275	End	4038
Name	OJ000208_03.0310.C2.o1.gp	Method	AAT/GAP

Start	3275	End	4038
GI	3213_1.R1084	Score	1254
Exons	3275..3780, 3881..4038		
GI Descrip.	'3831441 2.0e-13 (AC005819) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81622	Strand	-
Start	3275	End	4038
Name	OJ000208_03.0310.C2.o1.np	Method	AAT/NAP
Start	3685	End	3946
GI	3831441	Score	122
Exons	3685..3840, 3881..3946		
GI Descrip.	(AC005819) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81623	Strand	-
Start	4050	End	4790
Name	OJ000208_03.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	3680	End	4280
GI	none	Score	129
Exons	3680..3781, 3685..3783, 3686..3781, 3687..3791, 3869..3952, 3869..3964, 3879..3965, 3962..4258, 3963..4232, 4214..4279, 4221..4280		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81623	Strand	-
Start	4050	End	4790
Name	OJ000208_03.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	3706	End	3947
GI	none	Score	77
Exons	3706..3783, 3716..3781, 3869..3946, 3879..3947		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81623	Strand	-
Start	4050	End	4790
Name	OJ000208_03.0310.C2.o2.gp	Method	AAT/GAP
Start	4050	End	4790
GI	none	Score	1410
Exons	4050..4790		

Seq. No.	39500	Seq. ID	OJ000208_03.0310.C2
Gene No.	81623	Strand	-
Start	4050	End	4790
Name	OJ000208_03.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	4281	End	4579
GI	none	Score	137
Exons	4281..4364, 4282..4356, 4283..4546, 4283..4363, 4405..4548, 4409..4579		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81624	Strand	+
Start	7962	End	10699
Name	OJ000208_03.0310.C3.o2.np	Method	AAT/NAP
Start	7962	End	10699
GI	7486352	Score	614
Exons	7962..9264, 10681..10699		

GI Descrip. hypothetical protein F3D13.1 - Arabidopsis thaliana
gi|3193306|gb|AAC19289.1| (AF069300) contains similarity to
Arabidopsis membrane-associated salt-inducible-like protein
(GB:AL021637) [Arabidopsis thaliana]

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81625	Strand	-
Start	1	End	2820
Name	OJ000208_03.0310.C3.o1.gp	Method	AAT/GAP
Start	1	End	1827
GI	6912 2.R1084	Score	1536
Exons	1..288, 418..556, 1230..1382, 1508..1638, 1731..1827		
GI Descrip.	'3510253 8.0e-29 (AC005310) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81625	Strand	-
Start	1	End	2820
Name	OJ000208_03.0310.C3.o1.np	Method	AAT/NAP
Start	1	End	2802
GI	7485762	Score	400
Exons	1..191, 1503..1638, 1731..1892, 2586..2802		
GI Descrip.	hypothetical protein F19D11.7 - Arabidopsis thaliana gi 3510253 gb AAC33497.1 (AC005310) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81625	Strand	-
Start	1	End	2820
Name	OJ000208_03.0310.C3.o1.gs	Method	GENSCAN
Start	93	End	2820
GI	none	Score	.95
Exons	93..288, 418..556, 1230..1382, 1508..1638, 1731..1892, 2616..2820		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81626	Strand	-
Start	5830	End	7183
Name	OJ000208_03.0310.C3.o2.tm	Method	TBLASTX:Maize
Start	1	End	555
GI	none	Score	94
Exons	1..99, 1..84, 2..100, 2..100, 72..272, 89..226, 92..274, 96..275, 416..547, 422..553, 423..554, 424..555		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81626	Strand	-
Start	5830	End	7183
Name	OJ000208_03.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	1275	End	6043
GI	none	Score	73
Exons	1275..1376, 1275..1382, 1294..1401, 1507..1638, 1508..1639, 1509..1646, 1716..1868, 1724..1894, 1726..1893, 1726..1923, 1727..1909, 2616..2663, 2617..2685, 2617..2730, 2618..2719, 5963..6043		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81626	Strand	-

Start	5830	End	7183
Name	OJ000208_03.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	1503	End	1912
GI	none	Score	166
Exons	1503..1646, 1505..1603, 1516..1638, 1722..1769, 1726..1893, 1727..1912		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81626	Strand	-
Start	5830	End	7183
Name	OJ000208_03.0310.C3.o2.gs	Method	GENSCAN
Start	5830	End	7183
GI	none	Score	.79
Exons	5830..6035, 6214..6408, 6842..6988, 7138..7183		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81627	Strand	
Start	8535	End	9233
Name	OJ000208_03.0310.C3.o2.ts	Method	TBLASTX:Soybean
Start	8535	End	9212
GI	none	Score	231
Exons	8535..9188, 8550..9185, 8625..8984, 8714..8962, 8753..9178, 8754..9194, 8763..8918, 8834..9160, 8834..9061, 8838..9212, 8861..9187, 8862..8999, 8889..8987		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81627	Strand	
Start	8535	End	9233
Name	OJ000208_03.0310.C3.o3.tm	Method	TBLASTX:Maize
Start	8541	End	9209
GI	none	Score	232
Exons	8541..9083, 8592..8987, 8622..9197, 8634..9209		

Seq. No.	39501	Seq. ID	OJ000208_03.0310.C3
Gene No.	81627	Strand	
Start	8535	End	9233
Name	OJ000208_03.0310.C3.o1.tc	Method	TBLASTX:Cress
Start	8544	End	9233
GI	none	Score	75
Exons	8544..8735, 8652..8813, 8669..8782, 8730..9068, 8763..8873, 8823..9194, 8834..9181, 8868..9014, 8928..9221, 9045..9233		

Seq. No.	39502	Seq. ID	OJ000208_03.0310.C4
Gene No.	81628	Strand	+
Start	38	End	2288
Name	OJ000208_03.0310.C4.o1.gs	Method	GENSCAN
Start	38	End	2030
GI	none	Score	.58
Exons	38..296, 717..836, 1007..1140, 1454..1605, 1638..2030		

Seq. No.	39502	Seq. ID	OJ000208_03.0310.C4
Gene No.	81628	Strand	+
Start	38	End	2288
Name	OJ000208_03.0310.C4.o1.np	Method	AAT/NAP
Start	77	End	2288
GI	7486057	Score	319
Exons	77..296, 1007..1140, 1256..1408, 1494..1605, 1700..1852,		

1886..2000, 2202..2288
 GI Descrip. hypothetical protein F24A6.130 - Arabidopsis thaliana
 gi|4454017|emb|CAA23070.1| (AL035396) hypothetical protein
 [Arabidopsis thaliana] gi|7269380|emb|CAB81340.1| (AL161563)
 hypothetical protein [Arabidopsis thaliana]

Seq. No.	39502	Seq. ID	OJ000208_03.0310.C4
Gene No.	81628	Strand	+
Start	38	End	2288
Name	OJ000208_03.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	181	End	1352
GI	none	Score	66
Exons	181..219, 182..220, 182..223, 242..292, 1003..1143, 1009..1140, 1241..1342, 1253..1342, 1254..1352		

Seq. No.	39502	Seq. ID	OJ000208_03.0310.C4
Gene No.	81628	Strand	+
Start	38	End	2288
Name	OJ000208_03.0310.C4.o1.gp	Method	AAT/GAP
Start	1805	End	2288
GI	LIB3432-048-P2-K1-H7	Score	571
Exons	1805..2030, 2202..2288		
GI Descrip.	'4454017/emb CAA23070 2.0e-10 (AL035396) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39503	Seq. ID	OJ000208_03.0310.C5
Gene No.	81629	Strand	+
Start	604	End	825
Name	OJ000208_03.0310.C5.o1.gs	Method	GENSCAN
Start	604	End	825
GI	none	Score	.9
Exons	604..825		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81630	Strand	+
Start	2094	End	4448
Name	OJ000208_03.0310.C6.o2.gs	Method	GENSCAN
Start	2094	End	4448
GI	none	Score	.91
Exons	2094..2102, 2465..2530, 2643..2759, 3009..3083, 3187..3289, 3380..3427, 3509..3630, 3759..3836, 4329..4448		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81631	Strand	+
Start	11695	End	12764
Name	OJ000208_03.0310.C6.o4.gs	Method	GENSCAN
Start	11695	End	12764
GI	none	Score	.68
Exons	11695..11845, 12377..12522, 12627..12764		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81632	Strand	-
Start	256	End	1053
Name	OJ000208_03.0310.C6.o1.gs	Method	GENSCAN
Start	256	End	1053
GI	none	Score	.79
Exons	256..651, 669..1003, 1047..1053		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81633	Strand	-
Start	4881	End	10535
Name	OJ000208_03.0310.C6.o3.gs	Method	GENSCAN
Start	4881	End	10535
GI	none	Score	.79
Exons	4881..5312, 5317..5451, 5804..6315, 6388..6592, 6694..6808, 6891..7130, 7205..7368, 7392..7935, 8065..8176, 8278..8436, 8573..8670, 8773..8926, 9936..10097, 10526..10535		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81633	Strand	-
Start	4881	End	10535
Name	OJ000208_03.0310.C6.o2.np	Method	AAT/NAP
Start	5747	End	9156
GI	7435680	Score	1466
Exons	5747..6315, 6388..6592, 6694..6808, 6891..7095, 7173..7302, 7392..7935, 8065..8182, 8209..8436, 8573..8670, 8773..8867, 9058..9156		

GI Descrip. subtilisin-like proteinase homolog T4F9.10 - Arabidopsis thaliana gi|4539433|emb|CAB40021.1| (AL049523) subtilisin-like protease-like protein [Arabidopsis thaliana]
gi|7267752|emb|CAB78178.1| (AL161517) subtilisin-like protease-like protein [Arabidopsis thaliana]

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o2.tc	Method	TBLASTX:Cress
Start	1490	End	2767
GI	none	Score	104
Exons	1490..1597, 1505..1594, 2252..2395, 2253..2372, 2462..2527, 2464..2538, 2640..2759, 2642..2767		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o2.ts	Method	TBLASTX:Soybean
Start	1547	End	3074
GI	none	Score	73
Exons	1547..1597, 2253..2372, 2267..2353, 2462..2527, 2465..2533, 2640..2759, 2642..2767, 3005..3070, 3006..3074		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o4.tm	Method	TBLASTX:Maize
Start	2181	End	2461
GI	none	Score	127
Exons	2181..2363, 2218..2370, 2219..2362, 2226..2363, 2236..2364, 2396..2461, 2410..2460		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o3.tm	Method	TBLASTX:Maize

Start	2462	End	3426
GI	none	Score	114
Exons	2462..2530, 2464..2538, 2464..2529, 2465..2530, 2637..2705, 2643..2708, 2645..2707, 2716..2760, 2717..2767, 2718..2759, 3005..3082, 3006..3083, 3007..3084, 3051..3083, 3184..3288, 3185..3289, 3186..3290, 3187..3291, 3370..3426, 3378..3422		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o1.tc	Method	TBLASTX:Cress
Start	5780	End	7793
GI	none	Score	82
Exons	5780..5845, 5867..5977, 6071..6289, 6137..6241, 6144..6305, 6389..6514, 6390..6515, 6566..6604, 7395..7697, 7407..7541, 7411..7704, 7692..7793		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	5783	End	7640
GI	none	Score	83
Exons	5783..5839, 5852..6025, 6047..6100, 6101..6292, 6153..6278, 6389..6514, 6390..6515, 6566..6601, 7452..7589, 7611..7640		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o1.ts	Method	TBLASTX:Soybean
Start	5783	End	8654
GI	none	Score	67
Exons	5783..5977, 5993..6034, 6020..6256, 6389..6508, 6393..6503, 6566..6646, 7404..7535, 7405..7497, 7506..7580, 7507..7569, 7611..7859, 7623..7751, 7821..7940, 7911..7940, 8064..8177, 8110..8187, 8276..8305, 8363..8431, 8586..8654		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o2.tm	Method	TBLASTX:Maize
Start	6888	End	7133
GI	none	Score	336
Exons	6888..7133, 6890..7132		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512
Name	OJ000208_03.0310.C6.o1.tw	Method	TBLASTX:Wheat
Start	7073	End	7778
GI	none	Score	81
Exons	7073..7153, 7395..7688, 7407..7559, 7408..7566, 7612..7641, 7701..7778		

Seq. No.	39504	Seq. ID	OJ000208_03.0310.C6
Gene No.	81634	Strand	-
Start	13558	End	14512

Name OJ000208_03.0310.C6.o1.gp
 Start 13163
 GI none
 Exons 13163..13678, 13756..13819

Method AAT/GAP
 End 13819
 Score 983

Seq. No. 39504
 Gene No. 81634
 Start 13558
 Name OJ000208_03.0310.C6.o5.tm
 Start 13525
 GI none
 Exons 13525..13680, 13543..13680, 13550..13681, 13601..13687, 13755..13796

Seq. ID OJ000208_03.0310.C6
 Strand -
 End 14512
 Method TBLASTX:Maize
 End 13796
 Score 90

Seq. No. 39504
 Gene No. 81634
 Start 13558
 Name OJ000208_03.0310.C6.o5.gs
 Start 13558
 GI none
 Exons 13558..13694, 14437..14512

Seq. ID OJ000208_03.0310.C6
 Strand -
 End 14512
 Method GENSCAN
 End 14512
 Score .43

Seq. No. 39505
 Gene No. 81635
 Start 1
 Name OJ000208_03.0310.C7.o1.np
 Start 1
 GI 6562262
 Exons 1..192, 379..559
 GI Descrip. (AL132980) putative protein [Arabidopsis thaliana]

Seq. ID OJ000208_03.0310.C7
 Strand -
 End 559
 Method AAT/NAP
 End 559
 Score 187

Seq. No. 39505
 Gene No. 81635
 Start 1
 Name OJ000208_03.0310.C7.o1.gs
 Start 20
 GI none
 Exons 20..192, 379..559

Seq. ID OJ000208_03.0310.C7
 Strand -
 End 559
 Method GENSCAN
 End 559
 Score 1

Seq. No. 39505
 Gene No. 81636
 Start 1602
 Name OJ000208_03.0310.C7.o3.tm
 Start 17
 GI none
 Exons 17..91, 21..50, 22..90, 90..149, 91..183, 92..184, 92..193, 379..483, 379..480, 380..499, 381..494

Seq. ID OJ000208_03.0310.C7
 Strand -
 End 4383
 Method TBLASTX:Maize
 End 499
 Score 42

Seq. No. 39505
 Gene No. 81636
 Start 1602
 Name OJ000208_03.0310.C7.o2.gs
 Start 1602
 GI none
 Exons 1602..2674, 2833..2892, 3575..3745, 3905..4174, 4266..4317

Seq. ID OJ000208_03.0310.C7
 Strand -
 End 4383
 Method GENSCAN
 End 4317
 Score .84

Seq. No. 39505
 Seq. ID OJ000208_03.0310.C7

Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	1795	End	3924
GI	none	Score	58
Exons	1795..1842, 1800..1841, 1892..2077, 1968..2072, 2005..2076, 2095..2154, 2096..2155, 2097..2156, 2148..2282, 2152..2280, 2169..2282, 2170..2304, 2281..2319, 2281..2319, 2288..2320, 2322..2510, 2325..2498, 2327..2506, 2509..2547, 2524..2655, 2534..2662, 2538..2654, 2829..2888, 3073..3342, 3099..3341, 3336..3482, 3343..3450, 3347..3451, 3499..3555, 3549..3740, 3592..3741, 3598..3762, 3599..3763, 3717..3923, 3742..3924, 3744..3923		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o2.gp	Method	AAT/GAP
Start	2077	End	2531
GI	none	Score	834
Exons	2077..2531		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o1.ts	Method	TBLASTX:Soybean
Start	3621	End	3846
GI	none	Score	180
Exons	3621..3845, 3622..3846		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o1.tc	Method	TBLASTX:Cress
Start	3624	End	3812
GI	none	Score	158
Exons	3624..3812, 3625..3810, 3626..3811		

Seq. No.	39505	Seq. ID	OJ000208_03.0310.C7
Gene No.	81636	Strand	-
Start	1602	End	4383
Name	OJ000208_03.0310.C7.o2.tm	Method	TBLASTX:Maize
Start	4030	End	4383
GI	none	Score	159
Exons	4030..4170, 4032..4172, 4032..4172, 4037..4213, 4261..4383, 4263..4373, 4315..4383		

Seq. No.	39506	Seq. ID	OJ000208_03.0310.C9
Gene No.	81637	Strand	+
Start	713	End	930
Name	OJ000208_03.0310.C9.o1.gs	Method	GENSCAN
Start	713	End	930
GI	none	Score	.51
Exons	713..930		

Seq. No.	39506	Seq. ID	OJ000208_03.0310.C9
Gene No.	81638	Strand	-

Start 1326
 Name OJ000208_03.0310.C9.o2.gs
 Start 1326
 GI none
 Exons 1326..2093

End 2093
 Method GENSCAN
 End 2093
 Score .65

Seq. No. 39506
 Gene No. 81638
 Start 1326
 Name OJ000208_03.0310.C9.o1.tc
 Start 1377
 GI none
 Exons 1377..1421, 1416..1787, 1503..1715, 1504..1731, 1525..1731, 1530..1934, 1567..1776, 1629..1781, 1635..1991, 1731..1964, 1806..2018, 1848..2078

Seq. ID OJ000208_03.0310.C9
 Strand -
 End 2093
 Method TBLASTX:Cress
 End 2078
 Score 40

Seq. No. 39506
 Gene No. 81638
 Start 1326
 Name OJ000208_03.0310.C9.o1.ts
 Start 1407
 GI none
 Exons 1407..1781, 1425..1865, 1431..2084, 1432..1758, 1434..1781, 1435..1776, 1441..1776, 1459..1776, 1620..1757, 1635..1994, 1635..1991, 1689..1856

Seq. ID OJ000208_03.0310.C9
 Strand -
 End 2093
 Method TBLASTX:Soybean
 End 2084
 Score 88

Seq. No. 39506
 Gene No. 81638
 Start 1326
 Name OJ000208_03.0310.C9.o1.tm
 Start 1410
 GI none
 Exons 1410..1985, 1422..1997, 1563..2078, 1632..2027, 1737..2075

Seq. ID OJ000208_03.0310.C9
 Strand -
 End 2093
 Method TBLASTX:Maize
 End 2078
 Score 224

Seq. No. 39507
 Gene No. 81639
 Start 276
 Name OJ000208_03.0310.C10.o1.gs
 Start 276
 GI none
 Exons 276..444

Seq. ID OJ000208_03.0310.C10
 Strand +
 End 444
 Method GENSCAN
 End 444
 Score .79

Seq. No. 39507
 Gene No. 81640
 Start 2916
 Name OJ000208_03.0310.C10.o1.tm
 Start 2860
 GI none
 Exons 2860..2895, 2886..2993, 2904..2996, 2905..2994, 3091..3192, 3097..3192, 3288..3410, 3298..3414, 3313..3411, 3501..3551, 3505..3552, 3505..3552, 3593..3718, 3625..3729, 3634..3735, 3636..3740

Seq. ID OJ000208_03.0310.C10
 Strand -
 End 3740
 Method TBLASTX:Maize
 End 3740
 Score 92

Seq. No. 39507
 Gene No. 81640
 Start 2916
 Name OJ000208_03.0310.C10.o2.gs

Seq. ID OJ000208_03.0310.C10
 Strand -
 End 3740
 Method GENSCAN

Start 2916
 GI none
 Exons 2916..2992, 3099..3237

End 3237
 Score .65

Seq. No. 39508
 Gene No. 81641
 Start 280
 Name OJ000208_03.0310.C11.o1.gs
 Start 280
 GI none
 Exons 280..438, 830..984

Seq. ID OJ000208_03.0310.C11
 Strand -
 End 984
 Method GENSCAN
 End 984
 Score .93

Seq. No. 39509
 Gene No. 81642
 Start 1866
 Name OJ000208_03.0310.C12.o1.gs
 Start 1866
 GI none
 Exons 1866..1914, 2165..2325, 2763..2789, 3740..3851, 3902..3932, 4540..4627

Seq. ID OJ000208_03.0310.C12
 Strand +
 End 4627
 Method GENSCAN
 End 4627
 Score .83

Seq. No. 39509
 Gene No. 81642
 Start 1866
 Name OJ000208_03.0310.C12.o1.gp
 Start 2009
 GI LIB3434-038-P1-K1-F1
 Exons 2009..2540
 GI Descrip. '5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. ID OJ000208_03.0310.C12
 Strand +
 End 4627
 Method AAT/GAP
 End 2540
 Score 768

Seq. No. 39509
 Gene No. 81643
 Start 2020
 Name OJ000208_03.0310.C12.o1.np
 Start 2020
 GI 6815052
 Exons 2020..2080, 3173..3243, 3313..3470
 GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. ID OJ000208_03.0310.C12
 Strand -
 End 3470
 Method AAT/NAP
 End 3470
 Score 199

Seq. No. 39509
 Gene No. 81644
 Start 4784
 Name OJ000208_03.0310.C12.o2.gs
 Start 4784
 GI none
 Exons 4784..4916, 5766..5986

Seq. ID OJ000208_03.0310.C12
 Strand -
 End 5986
 Method GENSCAN
 End 5986
 Score .85

Seq. No. 39510
 Gene No. 81645
 Start 3830
 Name OJ000208_03.0310.C13.o1.gs
 Start 3830
 GI none
 Exons 3830..4374, 4499..4633, 4724..4865, 4967..5116

Seq. ID OJ000208_03.0310.C13
 Strand +
 End 5116
 Method GENSCAN
 End 5116
 Score .86

Seq. No. 39510 Seq. ID OJ000208_03.0310.C13

Gene No.	81646	Strand	-
Start	1	End	291
Name	OJ000208_03.0310.C13.o1.np	Method	AAT/NAP
Start	1	End	291
GI	7340909	Score	221
Exons	1..291		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	39510	Seq. ID	OJ000208_03.0310.C13
Gene No.	81647	Strand	-
Start	1503	End	4741
Name	OJ000208_03.0310.C13.o2.np	Method	AAT/NAP
Start	1503	End	4741
GI	5852093	Score	51
Exons	1503..1569, 3250..3356, 4694..4741		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39511	Seq. ID	OJ000208_03.0310.C14
Gene No.	81648	Strand	+
Start	188	End	1600
Name	OJ000208_03.0310.C14.o1.gs	Method	GENSCAN
Start	188	End	684
GI	none	Score	.91
Exons	188..303, 375..684		

Seq. No.	39511	Seq. ID	OJ000208_03.0310.C14
Gene No.	81648	Strand	+
Start	188	End	1600
Name	OJ000208_03.0310.C14.o1.np	Method	AAT/NAP
Start	256	End	1600
GI	6630699	Score	75
Exons	256..301, 1521..1600		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39511	Seq. ID	OJ000208_03.0310.C14
Gene No.	81649	Strand	-
Start	2429	End	2595
Name	OJ000208_03.0310.C14.o2.np	Method	AAT/NAP
Start	1739	End	1824
GI	5922619	Score	85
Exons	1739..1824		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016852 dbj BAA85195.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39511	Seq. ID	OJ000208_03.0310.C14
Gene No.	81649	Strand	-
Start	2429	End	2595
Name	OJ000208_03.0310.C14.o2.gs	Method	GENSCAN
Start	2429	End	2595
GI	none	Score	.54
Exons	2429..2595		

Seq. No.	39512	Seq. ID	OJ000208_03.0310.C15
Gene No.	81650	Strand	+

Start 186
 Name OJ000208_03.0310.C15.o1.gs
 Start 186
 GI none
 Exons 186..326

End 326
 Method GENSCAN
 End 326
 Score .91

Seq. No. 39512
 Gene No. 81651
 Start 574
 Name OJ000208_03.0310.C15.o2.gs
 Start 574
 GI none
 Exons 574..767

Seq. ID OJ000208_03.0310.C15
 Strand -
 End 767
 Method GENSCAN
 End 767
 Score .7

Seq. No. 39513
 Gene No. 81652
 Start 217
 Name OJ000208_03.0310.C16.o1.np
 Start 217
 GI 6498436
 Exons 217..303, 937..1054, 1103..1901
 GI Descrip. (AP000815) hypothetical protein [Oryza sativa]

Seq. ID OJ000208_03.0310.C16
 Strand +
 End 1901
 Method AAT/NAP
 End 1901
 Score 1243

Seq. No. 39513
 Gene No. 81652
 Start 217
 Name OJ000208_03.0310.C16.o1.tw
 Start 310
 GI none
 Exons 310..492, 508..804, 585..794

Seq. ID OJ000208_03.0310.C16
 Strand +
 End 1901
 Method TBLASTX:Wheat
 End 804
 Score 87

Seq. No. 39513
 Gene No. 81652
 Start 217
 Name OJ000208_03.0310.C16.o1.ts
 Start 328
 GI none
 Exons 328..528, 511..702

Seq. ID OJ000208_03.0310.C16
 Strand +
 End 1901
 Method TBLASTX:Soybean
 End 702
 Score 105

Seq. No. 39514
 Gene No. 81653
 Start 1
 Name OJ000208_03.0310.C17.o1.np
 Start 1
 GI 6815052
 Exons 1..31, 128..249
 GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. ID OJ000208_03.0310.C17
 Strand +
 End 249
 Method AAT/NAP
 End 249
 Score 164

Seq. No. 39514
 Gene No. 81654
 Start 1502
 Name OJ000208_03.0310.C17.o2.gs
 Start 1502
 GI none
 Exons 1502..1560, 1758..1830

Seq. ID OJ000208_03.0310.C17
 Strand -
 End 1830
 Method GENSCAN
 End 1830
 Score .72

Seq. No. 39515

Seq. ID OJ000208_03.0310.C18

Gene No. 81655
 Start 273
 Name OJ000208_03.0310.C18.o1.gs
 Start 273
 GI none
 Exons 273..304, 943..988

Strand -
 End 988
 Method GENSCAN
 End 988
 Score .4

Seq. No. 39516
 Gene No. 81656
 Start 200
 Name OJ000208_03.0310.C19.o1.gs
 Start 200
 GI none
 Exons 200..360

Seq. ID OJ000208_03.0310.C19
 Strand +
 End 360
 Method GENSCAN
 End 360
 Score .65

Seq. No. 39517
 Gene No. 81657
 Start 680
 Name OJ000208_03.0310.C20.o1.gs
 Start 680
 GI none
 Exons 680..688, 767..820

Seq. ID OJ000208_03.0310.C20
 Strand +
 End 820
 Method GENSCAN
 End 820
 Score .92

Seq. No. 39518
 Gene No. 81658
 Start 1206
 Name OJ000208_03.0310.C21.o1.gs
 Start 1206
 GI none
 Exons 1206..1343, 1537..1705, 1851..2128, 2209..2851

Seq. ID OJ000208_03.0310.C21
 Strand +
 End 2851
 Method GENSCAN
 End 2851
 Score .94

Seq. No. 39518
 Gene No. 81658
 Start 1206
 Name OJ000208_03.0310.C21.o1.np
 Start 1517
 GI 5903051
 Exons 1517..1705, 1851..2128, 2209..2796
 GI Descrip. (AC008016) Contains PF|00069 Eukaryotic protein kinase domain.
 ESTs gb|W43822, gb|T20475 and gb|AA586152 come from this gene.
 [Arabidopsis thaliana]

Seq. ID OJ000208_03.0310.C21
 Strand +
 End 2851
 Method AAT/NAP
 End 2796
 Score 667

Seq. No. 39518
 Gene No. 81658
 Start 1206
 Name OJ000208_03.0310.C21.o1.tm
 Start 1559
 GI none
 Exons 1559..1708, 1848..2036, 1850..2017, 2076..2165, 2210..2488, 2212..2487, 2501..2707, 2518..2688

Seq. ID OJ000208_03.0310.C21
 Strand +
 End 2851
 Method TBLASTX:Maize
 End 2707
 Score 141

Seq. No. 39518
 Gene No. 81658
 Start 1206
 Name OJ000208_03.0310.C21.o1.tc
 Start 1589
 GI none

Seq. ID OJ000208_03.0310.C21
 Strand +
 End 2851
 Method TBLASTX:Cress
 End 2677
 Score 77

Exons 1589..1684, 1845..2033, 2073..2129, 2219..2335, 2339..2548, 2350..2559, 2531..2677

Seq. No. 39518 Seq. ID OJ000208_03.0310.C21
Gene No. 81658 Strand +
Start 1206 End 2851
Name OJ000208_03.0310.C21.o1.ts Method TBLASTX:Soybean
Start 1595 End 2721
GI none Score 78
Exons 1595..1708, 1851..2036, 2076..2129, 2210..2536, 2305..2481, 2534..2713, 2548..2721

Seq. No. 39518 Seq. ID OJ000208_03.0310.C21
Gene No. 81658 Strand +
Start 1206 End 2851
Name OJ000208_03.0310.C21.o1.tw Method TBLASTX:Wheat
Start 2076 End 2479
GI none Score 57
Exons 2076..2165, 2210..2479, 2227..2478

Seq. No. 39519 Seq. ID OJ000208_03.0310.C22
Gene No. 81659 Strand +
Start 5310 End 7025
Name OJ000208_03.0310.C22.o2.gs Method GENSCAN
Start 5310 End 7025
GI none Score .51
Exons 5310..5432, 6927..7025

Seq. No. 39519 Seq. ID OJ000208_03.0310.C22
Gene No. 81660 Strand +
Start 8286 End 10428
Name OJ000208_03.0310.C22.o3.gs Method GENSCAN
Start 8286 End 10428
GI none Score .88
Exons 8286..8347, 8610..8639, 8955..9110, 9271..9375, 9425..9951, 10028..10428

Seq. No. 39519 Seq. ID OJ000208_03.0310.C22
Gene No. 81660 Strand +
Start 8286 End 10428
Name OJ000208_03.0310.C22.o1.np Method AAT/NAP
Start 9309 End 10425
GI 7486031 Score 406
Exons 9309..9470, 9540..9649, 9686..9951, 10010..10425
GI Descrip. hypothetical protein F23E13.150 - Arabidopsis thaliana
gi|2961385|emb|CAA18132.1| (AL022141) putative protein
[Arabidopsis thaliana] gi|7270579|emb|CAB80297.1| (AL161589)
putative protein [Arabidopsis thaliana]

Seq. No. 39519 Seq. ID OJ000208_03.0310.C22
Gene No. 81660 Strand +
Start 8286 End 10428
Name OJ000208_03.0310.C22.o1.gp Method AAT/GAP
Start 9891 End 10285
GI 72794_1.R1084 Score 578
Exons 9891..9951, 10028..10285
GI Descrip. '4929803/gb|AAD34162.1|AF152555_1 1.0e-13 (AF152555) putative

zinc finger protein SHI [Arabidopsis thaliana]'

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81661	Strand	-
Start	2991	End	4577
Name	OJ000208_03.0310.C22.o1.gs	Method	GENSCAN
Start	2991	End	4577
GI	none	Score	.74
Exons	2991..3113, 4127..4339, 4428..4577		

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81662	Strand	
Start	9686	End	9806
Name	OJ000208_03.0310.C22.o1.ts	Method	TBLASTX:Soybean
Start	9686	End	9806
GI	4301121	Score	71
Exons	9686..9802, 9686..9805, 9690..9806		
GI Descrip.	882341 3.0e-21 (U24702) LRP1 [Arabidopsis thaliana]		

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81662	Strand	
Start	9686	End	9806
Name	OJ000208_03.0310.C22.o1.tc	Method	TBLASTX:Cress
Start	9687	End	9806
GI	none	Score	199
Exons	9687..9806, 9689..9805		

Seq. No.	39519	Seq. ID	OJ000208_03.0310.C22
Gene No.	81663	Strand	
Start	10320	End	10605
Name	OJ000208_03.0310.C22.o1.tm	Method	TBLASTX:Maize
Start	10320	End	10605
GI	none	Score	189
Exons	10320..10358, 10321..10458, 10404..10457, 10531..10605		

Seq. No.	39520	Seq. ID	OJ000208_03.0310.C23
Gene No.	81664	Strand	+
Start	1	End	1307
Name	OJ000208_03.0310.C23.o1.np	Method	AAT/NAP
Start	1	End	1307
GI	7340909	Score	267
Exons	1..46, 623..1026, 1222..1307		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	39520	Seq. ID	OJ000208_03.0310.C23
Gene No.	81665	Strand	-
Start	798	End	1167
Name	OJ000208_03.0310.C23.o1.gs	Method	GENSCAN
Start	798	End	1167
GI	none	Score	.42
Exons	798..1167		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81666	Strand	+
Start	428	End	5435
Name	OJ000208_03.0310.C26.o1.gs	Method	GENSCAN
Start	428	End	5401

GI	none	Score	.83
Exons	428..649, 1142..1314, 1391..1458, 2127..2238, 3666..3861, 3967..4314, 5066..5401		
Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81666	Strand	+
Start	428	End	5435
Name	OJ000208_03.0310.C26.o1.gp	Method	AAT/GAP
Start	3484	End	4237
GI	22860_1.R1084	Score	1168
Exons	3484..3861, 3967..4237		
GI Descrip.	'5002526/emb CAB44329.1 1.0e-13 (AL078606) putative protein [Arabidopsis thaliana]'		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81666	Strand	+
Start	428	End	5435
Name	OJ000208_03.0310.C26.o1.np	Method	AAT/NAP
Start	3724	End	5435
GI	7486565	Score	650
Exons	3724..3863, 3969..4314, 5066..5248, 5300..5435		
GI Descrip.	hypothetical protein F7H19.100 - Arabidopsis thaliana gi 3292817 emb CAA19807.1 (AL031018) hypothetical protein [Arabidopsis thaliana] gi 7269139 emb CAB79247.1 (AL161558) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81667	Strand	+
Start	7575	End	10163
Name	OJ000208_03.0310.C26.o2.gs	Method	GENSCAN
Start	7575	End	10006
GI	none	Score	.58
Exons	7575..7660, 7848..8083, 8698..8723, 9223..9433, 9522..9562, 9672..10006		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81667	Strand	+
Start	7575	End	10163
Name	OJ000208_03.0310.C26.o4.gp	Method	AAT/GAP
Start	7808	End	8833
GI	3090465	Score	567
Exons	7808..8083, 8698..8723, 8807..8833		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81667	Strand	+
Start	7575	End	10163
Name	OJ000208_03.0310.C26.o2.np	Method	AAT/NAP
Start	9238	End	10163
GI	7271113	Score	454
Exons	9238..9427, 9534..9562, 9672..10006, 10100..10163		
GI Descrip.	(AJ276420) 68 kDa protein [Cicer arietinum]		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81667	Strand	+
Start	7575	End	10163
Name	OJ000208_03.0310.C26.o5.gp	Method	AAT/GAP
Start	9512	End	10163

GI 26315_1.R1084 Score 739
 Exons 9512..9562, 9672..10006, 10100..10163
 GI Descrip. '4539335/emb|CAB37483.1| 1.0e-34 (AL035539) putative protein
 [Arabidopsis thaliana]'

Seq. No. 39521 Seq. ID OJ000208_03.0310.C26
 Gene No. 81668 Strand -
 Start 5563 End 5826
 Name OJ000208_03.0310.C26.o1.ts Method TBLASTX:Soybean
 Start 3958 End 5392
 GI none Score 126
 Exons 3958..4047, 3960..4046, 4011..4250, 4012..4317, 5065..5187,
 5066..5200, 5294..5392

Seq. No. 39521 Seq. ID OJ000208_03.0310.C26
 Gene No. 81668 Strand -
 Start 5563 End 5826
 Name OJ000208_03.0310.C26.o2.tm Method TBLASTX:Maize
 Start 4068 End 4325
 GI none Score 401
 Exons 4068..4250, 4081..4323, 4299..4325

Seq. No. 39521 Seq. ID OJ000208_03.0310.C26
 Gene No. 81668 Strand -
 Start 5563 End 5826
 Name OJ000208_03.0310.C26.o2.tc Method TBLASTX:Cress
 Start 4138 End 5197
 GI none Score 258
 Exons 4138..4317, 4146..4316, 5065..5187, 5066..5197

Seq. No. 39521 Seq. ID OJ000208_03.0310.C26
 Gene No. 81668 Strand -
 Start 5563 End 5826
 Name OJ000208_03.0310.C26.o3.tm Method TBLASTX:Maize
 Start 5060 End 5206
 GI none Score 211
 Exons 5060..5206, 5066..5200

Seq. No. 39521 Seq. ID OJ000208_03.0310.C26
 Gene No. 81668 Strand -
 Start 5563 End 5826
 Name OJ000208_03.0310.C26.o2.gp Method AAT/GAP
 Start 5563 End 5826
 GI none Score 480
 Exons 5563..5826

Seq. No. 39521 Seq. ID OJ000208_03.0310.C26
 Gene No. 81669 Strand -
 Start 9290 End 10163
 Name OJ000208_03.0310.C26.o1.tm Method TBLASTX:Maize
 Start 9290 End 10163
 GI none Score 64
 Exons 9290..9337, 9292..9336, 9331..9399, 9347..9394, 9499..9573,
 9524..9562, 9701..10006, 9702..10004, 10097..10156, 10098..10163

Seq. No. 39521 Seq. ID OJ000208_03.0310.C26
 Gene No. 81669 Strand -

Start	9290	End	10163
Name	OJ000208_03.0310.C26.o2.ts	Method	TBLASTX:Soybean
Start	9701	End	10163
GI	none	Score	250
Exons	9701..9886, 9702..9890, 9708..9890, 9897..10001, 9950..9997, 10087..10161, 10094..10162, 10110..10163		

Seq. No.	39521	Seq. ID	OJ000208_03.0310.C26
Gene No.	81669	Strand	
Start	9290	End	10163
Name	OJ000208_03.0310.C26.o1.tc	Method	TBLASTX:Cress
Start	9759	End	10163
GI	none	Score	328
Exons	9759..9998, 9762..9998, 10098..10163		

Seq. No.	39522	Seq. ID	OJ000208_03.0310.C27
Gene No.	81670	Strand	+
Start	1	End	386
Name	OJ000208_03.0310.C27.o1.np	Method	AAT/NAP
Start	1	End	386
GI	7271113	Score	429
Exons	1..386		
GI Descrip.	(AJ276420) 68 kDa protein [Cicer arietinum]		

Seq. No.	39522	Seq. ID	OJ000208_03.0310.C27
Gene No.	81670	Strand	+
Start	1	End	386
Name	OJ000208_03.0310.C27.o1.gs	Method	GENSCAN
Start	2	End	383
GI	none	Score	.84
Exons	2..4, 108..383		

Seq. No.	39522	Seq. ID	OJ000208_03.0310.C27
Gene No.	81670	Strand	+
Start	1	End	386
Name	OJ000208_03.0310.C27.o1.gp	Method	AAT/GAP
Start	108	End	176
GI	U1B3434-045-P1-K1-B5	Score	122
Exons	108..176		
GI Descrip.	'4539335/emb CAB37483.1 1.0e-49 (AL035539) putative protein [Arabidopsis thaliana]'		

Seq. No.	39522	Seq. ID	OJ000208_03.0310.C27
Gene No.	81671	Strand	-
Start	120	End	794
Name	OJ000208_03.0310.C27.o1.tc	Method	TBLASTX:Cress
Start	86	End	371
GI	none	Score	115
Exons	86..346, 108..371, 122..331		

Seq. No.	39522	Seq. ID	OJ000208_03.0310.C27
Gene No.	81671	Strand	-
Start	120	End	794
Name	OJ000208_03.0310.C27.o1.tm	Method	TBLASTX:Maize
Start	107	End	386
GI	none	Score	321
Exons	107..385, 108..386, 119..385		

Seq. No.	39522	Seq. ID	OJ000208_03.0310.C27
Gene No.	81671	Strand	-
Start	120	End	794
Name	OJ000208_03.0310.C27.o1.ts	Method	TBLASTX:Soybean
Start	108	End	371
GI	none	Score	372
Exons	108..371, 116..334, 183..344, 187..345		

Seq. No.	39522	Seq. ID	OJ000208_03.0310.C27
Gene No.	81671	Strand	-
Start	120	End	794
Name	OJ000208_03.0310.C27.o2.gp	Method	AAT/GAP
Start	120	End	794
GI	38012_1.R1084	Score	1193
Exons	120..794		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	39522	Seq. ID	OJ000208_03.0310.C27
Gene No.	81671	Strand	-
Start	120	End	794
Name	OJ000208_03.0310.C27.o1.tw	Method	TBLASTX:Wheat
Start	150	End	377
GI	none	Score	298
Exons	150..377, 162..374, 173..376		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+
Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.gs	Method	GENSCAN
Start	92	End	2498
GI	none	Score	.84
Exons	92..375, 1025..1050, 1546..1735, 1802..1875, 2212..2306, 2381..2498		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+
Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.np	Method	AAT/NAP
Start	454	End	2673
GI	6850880	Score	727
Exons	454..487, 1083..1189, 1546..1746, 1953..2306, 2381..2673		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+
Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	1613	End	2673
GI	none	Score	64
Exons	1613..1660, 1615..1659, 1802..1876, 1812..1886, 1978..2019, 2002..2091, 2021..2080, 2028..2123, 2079..2303, 2079..2306, 2080..2304, 2367..2672, 2378..2671, 2379..2672, 2383..2673		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+

Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.gp	Method	AAT/GAP
Start	1821	End	2637
GI	26315_1.R1084	Score	1182
Exons	1821..1875, 1980..2306, 2381..2637		
GI Descrip.	'4539335/emb CAB37483.1 1.0e-34 (AL035539) putative protein [Arabidopsis thaliana]'		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+
Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.ts	Method	TBLASTX:Soybean
Start	2002	End	2672
GI	none	Score	68
Exons	2002..2091, 2021..2080, 2079..2186, 2080..2190, 2098..2190, 2100..2198, 2197..2301, 2250..2297, 2368..2655, 2371..2598, 2372..2671, 2375..2608, 2376..2672, 2391..2672		

Seq. No.	39523	Seq. ID	OJ000208_03.0310.C28
Gene No.	81672	Strand	+
Start	92	End	2673
Name	OJ000208_03.0310.C28.o1.tc	Method	TBLASTX:Cress
Start	2079	End	2642
GI	none	Score	296
Exons	2079..2297, 2080..2298, 2375..2524, 2379..2549, 2580..2642		

Seq. No.	39524	Seq. ID	OJ000118_04.0310.C1
Gene No.	81673	Strand	+
Start	1	End	1319
Name	OJ000118_04.0310.C1.o1.np	Method	AAT/NAP
Start	1	End	1319
GI	7228450	Score	204
Exons	1..70, 756..841, 981..1100, 1204..1319		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81674	Strand	+
Start	5118	End	10356
Name	OJ000118_04.0310.C2.o3.gs	Method	GENSCAN
Start	5118	End	10356
GI	none	Score	.66
Exons	5118..5953, 5959..6385, 7025..7270, 7316..7413, 7544..7824, 7893..7982, 8254..8460, 9068..9276, 9304..9445, 9542..9657, 9786..9930, 10226..10356		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81675	Strand	-
Start	3126	End	4454
Name	OJ000118_04.0310.C2.o2.gs	Method	GENSCAN
Start	3126	End	4454
GI	none	Score	.77
Exons	3126..3366, 3922..4454		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81676	Strand	-
Start	13818	End	23200
Name	OJ000118_04.0310.C2.o4.gs	Method	GENSCAN

Start	13818	End	23167
GI	none	Score	.41
Exons	13818..14004, 14217..14276, 15161..16391, 16520..18863, 18956..19079, 19295..19477, 19690..19708, 20623..20766, 21733..21843, 22570..22614, 23047..23167		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81676	Strand	-
Start	13818	End	23200
Name	OJ000118_04.0310.C2.o1.np	Method	AAT/NAP
Start	15160	End	19063
GI	6539553	Score	6483
Exons	15160..19063		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81676	Strand	-
Start	13818	End	23200
Name	OJ000118_04.0310.C2.o2.np	Method	AAT/NAP
Start	15270	End	23200
GI	6815052	Score	529
Exons	15270..15321, 20893..20985, 22092..22191, 22494..22614, 22892..22965, 23047..23200		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o5.ts	Method	TBLASTX:Soybean
Start	12878	End	17774
GI	none	Score	84
Exons	12878..12943, 13301..13366, 17388..17636, 17625..17774		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o2.tw	Method	TBLASTX:Wheat
Start	15296	End	15772
GI	none	Score	340
Exons	15296..15682, 15297..15680, 15364..15681, 15697..15771, 15699..15770, 15701..15772		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o4.ts	Method	TBLASTX:Soybean
Start	15424	End	15765
GI	none	Score	87
Exons	15424..15633, 15445..15633, 15652..15765, 15659..15739		

Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o4.tm	Method	TBLASTX:Maize

Start 15628
GI none
Exons 15628..15966, 15629..15967

End 15967
Score 239

Seq. No. 39525
Gene No. 81677
Start 24386
Name OJ000118_04.0310.C2.o2.ts
Start 15778
GI none
Exons 15778..16122, 15779..16123, 15904..16125

Seq. ID OJ000118_04.0310.C2
Strand -
End 25636
Method TBLASTX:Soybean
End 16125
Score 133

Seq. No. 39525
Gene No. 81677
Start 24386
Name OJ000118_04.0310.C2.o3.tw
Start 15976
GI none
Exons 15976..16182, 16177..16494, 16201..16374

Seq. ID OJ000118_04.0310.C2
Strand -
End 25636
Method TBLASTX:Wheat
End 16494
Score 90

Seq. No. 39525
Gene No. 81677
Start 24386
Name OJ000118_04.0310.C2.o2.tm
Start 16057
GI none
Exons 16057..16503, 16204..16386

Seq. ID OJ000118_04.0310.C2
Strand -
End 25636
Method TBLASTX:Maize
End 16503
Score 85

Seq. No. 39525
Gene No. 81677
Start 24386
Name OJ000118_04.0310.C2.o1.ts
Start 16192
GI 5509260
Exons 16192..16494, 16211..16264, 16343..16438, 16530..16655
GI Descrip. -

Seq. ID OJ000118_04.0310.C2
Strand -
End 25636
Method TBLASTX:Soybean
End 16655
Score 57

Seq. No. 39525
Gene No. 81677
Start 24386
Name OJ000118_04.0310.C2.o1.tc
Start 16303
GI none
Exons 16303..16509, 16515..16562

Seq. ID OJ000118_04.0310.C2
Strand -
End 25636
Method TBLASTX:Cress
End 16562
Score 62

Seq. No. 39525
Gene No. 81677
Start 24386
Name OJ000118_04.0310.C2.o1.tw
Start 16575
GI none
Exons 16575..16784, 16576..16734, 16592..16822, 16595..16768, 16843..17322, 16881..17321

Seq. ID OJ000118_04.0310.C2
Strand -
End 25636
Method TBLASTX:Wheat
End 17322
Score 194

Seq. No. 39525
Gene No. 81677
Start 24386

Seq. ID OJ000118_04.0310.C2
Strand -
End 25636

Name	OJ000118_04.0310.C2.o5.tm	Method	TBLASTX:Maize
Start	16972	End	17543
GI	none	Score	72
Exons	16972..17145, 16980..17147, 17172..17543, 17200..17385		
Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o3.ts	Method	TBLASTX:Soybean
Start	16980	End	17378
GI	none	Score	46
Exons	16980..17153, 17107..17151, 17154..17378, 17158..17292, 17199..17363, 17332..17370		
Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o5.tw	Method	TBLASTX:Wheat
Start	17328	End	17669
GI	none	Score	72
Exons	17328..17669, 17343..17537		
Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	17801	End	18123
GI	none	Score	357
Exons	17801..18103, 17802..18116, 17803..18096, 17959..18123		
Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o3.tm	Method	TBLASTX:Maize
Start	18622	End	18934
GI	none	Score	249
Exons	18622..18855, 18624..18860, 18626..18868, 18627..18860, 18857..18934, 18877..18924		
Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o4.tw	Method	TBLASTX:Wheat
Start	18774	End	19116
GI	none	Score	89
Exons	18774..18860, 18780..18860, 18854..18919, 18855..18905, 18888..19073, 18908..19072, 19078..19116, 19079..19114		
Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2
Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o6.tw	Method	TBLASTX:Wheat
Start	20191	End	20482
GI	none	Score	74
Exons	20191..20481, 20201..20482		
Seq. No.	39525	Seq. ID	OJ000118_04.0310.C2

Gene No.	81677	Strand	-
Start	24386	End	25636
Name	OJ000118_04.0310.C2.o5.gs	Method	GENSCAN
Start	24386	End	25636
GI	none	Score	.52
Exons	24386..24451, 24595..24699, 25430..25636		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81678	Strand	+
Start	3525	End	4908
Name	OJ000118_04.0310.C3.o2.gs	Method	GENSCAN
Start	3525	End	4908
GI	none	Score	.67
Exons	3525..3630, 4108..4223, 4272..4463, 4651..4908		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81679	Strand	+
Start	12476	End	13267
Name	OJ000118_04.0310.C3.o1.np	Method	AAT/NAP
Start	12476	End	13267
GI	6815052	Score	389
Exons	12476..12643, 12791..12865, 13148..13267		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81680	Strand	+
Start	13506	End	13750
Name	OJ000118_04.0310.C3.o1.gp	Method	AAT/GAP
Start	13506	End	13750
GI	44948_2.R1084	Score	419
Exons	13506..13750		
GI Descrip.	'4335715/gb AAD17393 4.0e-36 (AC006248) putative immediate-early salicylate-induced glucosyltransferase [Arabidopsis thaliana]'		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81681	Strand	+
Start	17766	End	19455
Name	OJ000118_04.0310.C3.o5.gs	Method	GENSCAN
Start	17766	End	19455
GI	none	Score	.47
Exons	17766..17900, 19244..19455		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81682	Strand	-
Start	292	End	2193
Name	OJ000118_04.0310.C3.o1.gs	Method	GENSCAN
Start	292	End	2193
GI	none	Score	.51
Exons	292..917, 1054..1961, 1967..2193		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81683	Strand	-
Start	13111	End	21724
Name	OJ000118_04.0310.C3.o1.tc	Method	TBLASTX:Cress
Start	1574	End	1882
GI	none	Score	189

Exons 1574..1882

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81683	Strand	-
Start	13111	End	21724
Name	OJ000118_04.0310.C3.o1.tw	Method	TBLASTX:Wheat
Start	1601	End	1966
GI	none	Score	64
Exons	1601..1708, 1682..1897, 1913..1966		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81683	Strand	-
Start	13111	End	21724
Name	OJ000118_04.0310.C3.o4.gs	Method	GENSCAN
Start	13111	End	16725
GI	none	Score	.72
Exons	13111..13307, 14100..14151, 14241..14357, 14674..14715, 15712..15839, 15967..16027, 16657..16725		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81683	Strand	-
Start	13111	End	21724
Name	OJ000118_04.0310.C3.o2.np	Method	AAT/NAP
Start	14100	End	21724
GI	2626753	Score	669
Exons	14100..14151, 14241..14357, 14674..14715, 15712..15839, 15967..16027, 20053..20118, 20197..20304, 21394..21501, 21624..21724		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81683	Strand	-
Start	13111	End	21724
Name	OJ000118_04.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	14101	End	20305
GI	none	Score	106
Exons	14101..14151, 14233..14331, 14239..14319, 14256..14351, 15703..15840, 15703..15843, 15713..15841, 15965..16036, 15966..16028, 20017..20118, 20066..20119, 20195..20305, 20197..20304		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81683	Strand	-
Start	13111	End	21724
Name	OJ000118_04.0310.C3.o2.tc	Method	TBLASTX:Cress
Start	14101	End	21692
GI	none	Score	70
Exons	14101..14151, 14102..14152, 14239..14322, 14242..14316, 14256..14351, 14671..14718, 15703..15840, 15703..15843, 15726..15842, 15734..15865, 15965..16036, 15966..16034, 20017..20118, 20066..20119, 20195..20305, 20197..20304, 21391..21501, 21627..21692		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81683	Strand	-
Start	13111	End	21724
Name	OJ000118_04.0310.C3.o1.tm	Method	TBLASTX:Maize

Start	14104	End	21692
GI	none	Score	46
Exons	14104..14169, 14104..14163, 14239..14331, 14240..14323, 14242..14331, 14259..14351, 14286..14357, 14669..14716, 14671..14718, 15703..15837, 15716..15841, 15717..15842, 15958..16029, 15965..16036, 15966..16028, 16050..16091, 20017..20118, 20054..20119, 20066..20161, 20067..20123, 20195..20305, 20197..20304, 21382..21501, 21394..21432, 21459..21539, 21627..21692, 21637..21690, 21642..21692		

Seq. No.	39526	Seq. ID	OJ000118_04.0310.C3
Gene No.	81683	Strand	-
Start	13111	End	21724
Name	OJ000118_04.0310.C3.o2.gp	Method	AAT/GAP
Start	21422	End	21724
GI	61191_1.R1084	Score	226
Exons	21422..21501, 21624..21724		
GI Descrip.	'2626753/dbj BAA23424 7.0e-34 (AB008782) sulfate transporter [Arabidopsis thaliana]'		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-
Start	1	End	1985
Name	OJ000118_04.0310.C4.o1.np	Method	AAT/NAP
Start	1	End	1985
GI	2626753	Score	285
Exons	1..49, 1619..1820, 1920..1985		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-
Start	1	End	1985
Name	OJ000118_04.0310.C4.o2.tm	Method	TBLASTX:Maize
Start	35	End	318
GI	none	Score	168
Exons	35..232, 43..201, 244..318		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-
Start	1	End	1985
Name	OJ000118_04.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	1602	End	1978
GI	none	Score	184
Exons	1602..1820, 1617..1703, 1618..1821, 1618..1818, 1749..1820, 1919..1978, 1924..1971		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-
Start	1	End	1985
Name	OJ000118_04.0310.C4.o1.tc	Method	TBLASTX:Cress
Start	1604	End	1984
GI	none	Score	90
Exons	1604..1813, 1609..1818, 1616..1810, 1662..1811, 1919..1984, 1930..1968		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-

Start	1	End	1985
Name	OJ000118_04.0310.C4.o1.gs	Method	GENSCAN
Start	1619	End	1730
GI	none	Score	.59
Exons	1619..1730		

Seq. No.	39527	Seq. ID	OJ000118_04.0310.C4
Gene No.	81684	Strand	-
Start	1	End	1985
Name	OJ000118_04.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	1666	End	1966
GI	none	Score	95
Exons	1666..1818, 1682..1816, 1919..1966, 1922..1966		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81685	Strand	+
Start	795	End	1058
Name	OJ000118_04.0310.C5.o1.gs	Method	GENSCAN
Start	795	End	1058
GI	none	Score	.69
Exons	795..1058		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81686	Strand	+
Start	2193	End	6439
Name	OJ000118_04.0310.C5.o4.np	Method	AAT/NAP
Start	2193	End	6436
GI	6815052	Score	393
Exons	2193..2226, 5653..5880, 5962..6036, 6318..6436		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81686	Strand	+
Start	2193	End	6439
Name	OJ000118_04.0310.C5.o3.gs	Method	GENSCAN
Start	5727	End	6439
GI	none	Score	.89
Exons	5727..5880, 6318..6439		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81687	Strand	+
Start	10861	End	11496
Name	OJ000118_04.0310.C5.o2.gp	Method	AAT/GAP
Start	10833	End	11484
GI	6_1.R1084	Score	1274
Exons	10833..11484		
GI Descrip.	'3618318/dbj BAA33205 1.0e-143 (AB001887) zinc finger protein [Oryza sativa]'		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81687	Strand	+
Start	10861	End	11496
Name	OJ000118_04.0310.C5.o4.gs	Method	GENSCAN
Start	10861	End	11484
GI	none	Score	.53
Exons	10861..11484		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81687	Strand	+
Start	10861	End	11496
Name	OJ000118_04.0310.C5.o5.np	Method	AAT/NAP
Start	10861	End	11496
GI	7489604	Score	1101
Exons	10861..11496		
GI Descrip.	zinc-finger protein S12569 - rice gi 3618318 dbj BAA33205.1 (AB001887) zinc finger protein [Oryza sativa]		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-
Start	583	End	5898
Name	OJ000118_04.0310.C5.o3.np	Method	AAT/NAP
Start	583	End	4559
GI	4325354	Score	138
Exons	583..612, 3948..4120, 4208..4559		
GI Descrip.	(AF128395) contains similarity to retrovirus-related polyproteins and to CCHC zinc finger protein (Pfam: PF00098, Score=16.3, E=0.051, E= 1) [Arabidopsis thaliana]		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-
Start	583	End	5898
Name	OJ000118_04.0310.C5.o1.np	Method	AAT/NAP
Start	772	End	1102
GI	2626753	Score	123
Exons	772..1102		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-
Start	583	End	5898
Name	OJ000118_04.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	791	End	1061
GI	none	Score	162
Exons	791..955, 792..944, 924..1061, 938..991		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-
Start	583	End	5898
Name	OJ000118_04.0310.C5.o1.gp	Method	AAT/GAP
Start	841	End	1364
GI	none	Score	839
Exons	841..1087, 1169..1364		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-
Start	583	End	5898
Name	OJ000118_04.0310.C5.o2.gs	Method	GENSCAN
Start	1158	End	4975
GI	none	Score	.47
Exons	1158..1396, 1438..1533, 1840..1950, 3848..3875, 4092..4282, 4336..4583, 4926..4975		

Seq. No.	39528	Seq. ID	OJ000118_04.0310.C5
Gene No.	81688	Strand	-

Start	583	End	5898
Name	OJ000118_04.0310.C5.o2.np	Method	AAT/NAP
Start	3894	End	5898
GI	7487463	Score	133
Exons	3894..4294, 4328..4546, 5863..5898		
GI Descrip.	hypothetical protein T27D20.19 - Arabidopsis thaliana gi 3377854 gb AAC28236.1 (AF076274) T27D20.19 gene product [Arabidopsis thaliana] gi 7267180 emb CAB77892.1 (AL161499) putative protein [Arabidopsis thaliana]		

Seq. No.	39529	Seq. ID	OJ000118_04.0310.C6
Gene No.	81689	Strand	+
Start	1	End	286
Name	OJ000118_04.0310.C6.o1.np	Method	AAT/NAP
Start	1	End	286
GI	3342527	Score	107
Exons	1..286		
GI Descrip.	(AF076485) defective in fruiting DifE [Myxococcus xanthus]		

Seq. No.	39529	Seq. ID	OJ000118_04.0310.C6
Gene No.	81690	Strand	-
Start	106	End	401
Name	OJ000118_04.0310.C6.o1.gs	Method	GENSCAN
Start	106	End	401
GI	none	Score	.71
Exons	106..401		

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81691	Strand	+
Start	2043	End	2756
Name	OJ000118_04.0310.C8.o1.gs	Method	GENSCAN
Start	2043	End	2756
GI	none	Score	.5
Exons	2043..2192, 2234..2384, 2644..2756		

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81692	Strand	+
Start	4926	End	5754
Name	OJ000118_04.0310.C8.o3.gs	Method	GENSCAN
Start	4926	End	5754
GI	none	Score	.57
Exons	4926..4986, 5037..5218, 5557..5754		

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81693	Strand	+
Start	6411	End	6753
Name	OJ000118_04.0310.C8.o4.gs	Method	GENSCAN
Start	6411	End	6753
GI	none	Score	.53
Exons	6411..6471, 6476..6753		

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81694	Strand	-
Start	3497	End	3990
Name	OJ000118_04.0310.C8.o2.gs	Method	GENSCAN
Start	3497	End	3990
GI	none	Score	.54

Exons 3497..3756, 3879..3990

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81695	Strand	-
Start	4987	End	6820
Name	OJ000118_04.0310.C8.o2.np	Method	AAT/NAP
Start	4987	End	6820
GI	119714	Score	72
Exons	4987..5044, 6423..6820		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi 82169 pir S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi 19867 emb CAA32090 (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	39530	Seq. ID	OJ000118_04.0310.C8
Gene No.	81696	Strand	-
Start	10539	End	11289
Name	OJ000118_04.0310.C8.o5.gs	Method	GENSCAN
Start	10539	End	11289
GI	none	Score	.68
Exons	10539..10697, 11182..11289		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81697	Strand	+
Start	94	End	838
Name	OJ000118_04.0310.C9.o1.gp	Method	AAT/GAP
Start	94	End	838
GI	6_1.R1084	Score	1380
Exons	94..838		
GI Descrip.	'3618318/dbj BAA33205 1.0e-143 (AB001887) zinc finger protein [Oryza sativa]'		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81697	Strand	+
Start	94	End	838
Name	OJ000118_04.0310.C9.o1.np	Method	AAT/NAP
Start	107	End	487
GI	7489604	Score	616
Exons	107..487		
GI Descrip.	zinc-finger protein S12569 - rice gi 3618318 dbj BAA33205.1 (AB001887) zinc finger protein [Oryza sativa]		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81697	Strand	+
Start	94	End	838
Name	OJ000118_04.0310.C9.o1.gs	Method	GENSCAN
Start	131	End	490
GI	none	Score	.72
Exons	131..490		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81698	Strand	+
Start	4670	End	7140
Name	OJ000118_04.0310.C9.o2.gs	Method	GENSCAN
Start	4670	End	7140
GI	none	Score	.49
Exons	4670..4718, 4969..5129, 6345..6418, 6441..6611, 6930..7140		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81699	Strand	+
Start	8717	End	21858
Name	OJ000118_04.0310.C9.o3.gs	Method	GENSCAN
Start	8717	End	21065
GI	none	Score	.66
Exons	8717..9090, 9124..9482, 9642..9737, 9993..10073, 10278..10423, 10486..10844, 10879..11170, 11375..11463, 11890..11978, 12877..13099, 13188..13260, 14354..14522, 16144..16416, 16592..16988, 17121..17491, 17506..17650, 18559..18593, 19404..19819, 20393..20429, 20722..21065		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81699	Strand	+
Start	8717	End	21858
Name	OJ000118_04.0310.C9.o2.np	Method	AAT/NAP
Start	8794	End	10937
GI	4325357	Score	372
Exons	8794..9503, 10069..10218, 10448..10937		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81699	Strand	+
Start	8717	End	21858
Name	OJ000118_04.0310.C9.o3.np	Method	AAT/NAP
Start	16465	End	21639
GI	4680183	Score	1025
Exons	16465..16632, 16983..17786, 20639..21639		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81699	Strand	+
Start	8717	End	21858
Name	OJ000118_04.0310.C9.o4.gs	Method	GENSCAN
Start	21207	End	21782
GI	none	Score	.7
Exons	21207..21330, 21365..21393, 21540..21782		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81699	Strand	+
Start	8717	End	21858
Name	OJ000118_04.0310.C9.o4.np	Method	AAT/NAP
Start	21627	End	21858
GI	4680180	Score	239
Exons	21627..21858		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81700	Strand	-
Start	17703	End	17982
Name	OJ000118_04.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	277	End	448
GI	none	Score	114
Exons	277..435, 286..420, 350..448		

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81700	Strand	-
Start	17703	End	17982
Name	OJ000118_04.0310.C9.o3.tw	Method	TBLASTX:Wheat
Start	9023	End	17331
GI	none	Score	94
Exons	9023..9139, 9155..9370, 17152..17331		
Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81700	Strand	-
Start	17703	End	17982
Name	OJ000118_04.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	9170	End	9478
GI	none	Score	190
Exons	9170..9478		
Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81700	Strand	-
Start	17703	End	17982
Name	OJ000118_04.0310.C9.o2.gp	Method	AAT/GAP
Start	17703	End	17982
GI	61605_3.R1084	Score	392
Exons	17703..17982		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81701	Strand	-
Start	21129	End	21859
Name	OJ000118_04.0310.C9.o2.tw	Method	TBLASTX:Wheat
Start	21129	End	21317
GI	none	Score	240
Exons	21129..21317, 21143..21313		
Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81701	Strand	-
Start	21129	End	21859
Name	OJ000118_04.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	21144	End	21449
GI	none	Score	385
Exons	21144..21449, 21146..21439		
Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81701	Strand	-
Start	21129	End	21859
Name	OJ000118_04.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	21318	End	21737
GI	none	Score	399
Exons	21318..21737, 21524..21736		
Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81701	Strand	-
Start	21129	End	21859
Name	OJ000118_04.0310.C9.o2.tm	Method	TBLASTX:Maize
Start	21477	End	21859
GI	none	Score	233

Exons 21477..21779, 21629..21760, 21767..21859

Seq. No.	39531	Seq. ID	OJ000118_04.0310.C9
Gene No.	81701	Strand	
Start	21129	End	21859
Name	OJ000118_04.0310.C9.o2.ts	Method	TBLASTX:Soybean
Start	21513	End	21746
GI	none	Score	191
Exons	21513..21746, 21629..21736		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81702	Strand	+
Start	7216	End	9922
Name	OJ000118_04.0310.C10.o2.gs	Method	GENSCAN
Start	7216	End	9669
GI	none	Score	.72
Exons	7216..7239, 7662..7856, 7933..8515, 8521..8922, 9248..9510, 9571..9669		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81702	Strand	+
Start	7216	End	9922
Name	OJ000118_04.0310.C10.o1.np	Method	AAT/NAP
Start	7659	End	9922
GI	4680180	Score	1681
Exons	7659..8618, 8658..9922		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81703	Strand	-
Start	1509	End	6032
Name	OJ000118_04.0310.C10.o1.gs	Method	GENSCAN
Start	1509	End	6032
GI	none	Score	.7
Exons	1509..1676, 1769..1887, 1916..2024, 2703..2850, 3267..3443, 3571..3884, 3890..4030, 4054..4513, 4541..4637, 4677..4932, 4974..6032		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o5.tw	Method	TBLASTX:Wheat
Start	4129	End	4500
GI	none	Score	86
Exons	4129..4314, 4130..4312, 4345..4500		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o1.tc	Method	TBLASTX:Cress
Start	5271	End	5579
GI	none	Score	203
Exons	5271..5579		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236

Name	OJ000118_04.0310.C10.o4.tw	Method	TBLASTX:Wheat
Start	5298	End	5726
GI	none	Score	96
Exons	5298..5405, 5379..5594, 5610..5726		
Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o2.ts	Method	TBLASTX:Soybean
Start	5316	End	5726
GI	none	Score	67
Exons	5316..5594, 5622..5726		
Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o2.tw	Method	TBLASTX:Wheat
Start	7879	End	8286
GI	none	Score	202
Exons	7879..8103, 8113..8286		
Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	8002	End	8385
GI	none	Score	83
Exons	8002..8115, 8137..8385		
Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	8778	End	9084
GI	none	Score	193
Exons	8778..8993, 8795..8965, 8989..9084, 9000..9083		
Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o3.tw	Method	TBLASTX:Wheat
Start	8910	End	9275
GI	none	Score	74
Exons	8910..9119, 8991..9275, 8995..9273		
Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	9286	End	9852
GI	none	Score	282
Exons	9286..9738, 9435..9542, 9763..9852		
Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o3.gs	Method	GENSCAN

Start	10810	End	12875
GI	none	Score	.52
Exons	10810..11189, 11275..11372, 11566..11762, 11808..12213, 12369..12427, 12499..12618, 12751..12875		

Seq. No.	39532	Seq. ID	OJ000118_04.0310.C10
Gene No.	81704	Strand	-
Start	10810	End	13236
Name	OJ000118_04.0310.C10.o2.np	Method	AAT/NAP
Start	11565	End	13236
GI	6721561	Score	410
Exons	11565..12420, 12515..12681, 13165..13236		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81705	Strand	+
Start	1215	End	6281
Name	OJ000118_04.0310.C11.o2.np	Method	AAT/NAP
Start	1215	End	6281
GI	2626753	Score	445
Exons	1215..1244, 4672..4966, 5066..5151, 5304..5380, 5477..5614, 6174..6281		
GI Descrip.	(AB008782) sulfate transporter [Arabidopsis thaliana]		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81705	Strand	+
Start	1215	End	6281
Name	OJ000118_04.0310.C11.o2.gs	Method	GENSCAN
Start	3759	End	5788
GI	none	Score	.78
Exons	3759..3831, 4828..4966, 5066..5151, 5304..5380, 5477..5788		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81705	Strand	+
Start	1215	End	6281
Name	OJ000118_04.0310.C11.o1.gp	Method	AAT/GAP
Start	4888	End	5690
GI	6613_1.R1084	Score	704
Exons	4888..4970, 5069..5151, 5304..5380, 5477..5690		
GI Descrip.	'2626753/dbj BAA23424 2.0e-23 (AB008782) sulfate transporter [Arabidopsis thaliana]'		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81705	Strand	+
Start	1215	End	6281
Name	OJ000118_04.0310.C11.o2.gp	Method	AAT/GAP
Start	5763	End	6121
GI	none	Score	693
Exons	5763..6121		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81706	Strand	+
Start	7298	End	8980

Name	OJ000118_04.0310.C11.o3.gp	Method	AAT/GAP
Start	7037	End	7105
GI	LIB3477-003-P1-K1-E9	Score	85
Exons	7037..7105		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory's 1 [Oryza sativa]'		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81706	Strand	+
Start	7298	End	8980
Name	OJ000118_04.0310.C11.o3.gs	Method	GENSCAN
Start	7298	End	8980
GI	none	Score	.71
Exons	7298..7478, 7648..7906, 8767..8980		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81707	Strand	+
Start	10107	End	13432
Name	OJ000118_04.0310.C11.o5.gs	Method	GENSCAN
Start	10107	End	13432
GI	none	Score	.65
Exons	10107..10432, 10535..10664, 10700..11215, 12280..12547, 12924..13069, 13403..13432		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81708	Strand	-
Start	1	End	3967
Name	OJ000118_04.0310.C11.o1.np	Method	AAT/NAP
Start	1	End	3967
GI	6815052	Score	1699
Exons	1..113, 195..929, 978..1122, 1902..1994, 2861..2960, 3258..3379, 3662..3732, 3814..3967		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81708	Strand	-
Start	1	End	3967
Name	OJ000118_04.0310.C11.o1.gs	Method	GENSCAN
Start	99	End	1782
GI	none	Score	.41
Exons	99..1782		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81709	Strand	-
Start	9310	End	9850
Name	OJ000118_04.0310.C11.o4.gs	Method	GENSCAN
Start	9310	End	9850
GI	none	Score	.83
Exons	9310..9538, 9771..9850		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o3.tw	Method	TBLASTX:Wheat
Start	1029	End	1677
GI	none	Score	90

Exons 1029..1097, 1183..1473, 1494..1646, 1498..1677

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o2.ts	Method	TBLASTX:Soybean
Start	1285	End	1659
GI	none	Score	107
Exons	1285..1479, 1474..1659		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o1.tc	Method	TBLASTX:Cress
Start	4826	End	5613
GI	none	Score	226
Exons	4826..4966, 4827..4967, 5093..5149, 5293..5364, 5294..5395, 5471..5608, 5479..5613		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o1.ts	Method	TBLASTX:Soybean
Start	4826	End	5613
GI	none	Score	223
Exons	4826..4969, 4827..4967, 4877..4969, 4879..4971, 5062..5088, 5064..5105, 5094..5150, 5293..5370, 5294..5395, 5300..5383, 5471..5608, 5474..5581, 5476..5613		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o2.tm	Method	TBLASTX:Maize
Start	5063	End	5698
GI	none	Score	68
Exons	5063..5107, 5064..5108, 5089..5151, 5100..5150, 5293..5376, 5294..5395, 5306..5383, 5471..5698, 5475..5651, 5476..5691		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o5.tw	Method	TBLASTX:Wheat
Start	11642	End	11991
GI	none	Score	105
Exons	11642..11767, 11768..11842, 11851..11991		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o1.tw	Method	TBLASTX:Wheat
Start	12283	End	12620
GI	none	Score	245
Exons	12283..12558, 12297..12557, 12558..12620		

Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577

Name	OJ000118_04.0310.C11.o1.tm	Method	TBLASTX:Maize
Start	12869	End	13741
GI	none	Score	357
Exons	12869..13288, 12880..13251, 13286..13387, 13348..13380, 13419..13454, 13459..13494, 13460..13741, 13541..13678		
Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o2.tw	Method	TBLASTX:Wheat
Start	12911	End	13219
GI	none	Score	259
Exons	12911..13219, 12942..13148, 12943..13179		
Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o3.tm	Method	TBLASTX:Maize
Start	14011	End	14443
GI	none	Score	278
Exons	14011..14379, 14012..14383, 14396..14443		
Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o4.tw	Method	TBLASTX:Wheat
Start	14216	End	14542
GI	none	Score	149
Exons	14216..14443, 14438..14542		
Seq. No.	39533	Seq. ID	OJ000118_04.0310.C11
Gene No.	81710	Strand	-
Start	15307	End	17577
Name	OJ000118_04.0310.C11.o6.gs	Method	GENSCAN
Start	15307	End	17577
GI	none	Score	.63
Exons	15307..15436, 17516..17577		
Seq. No.	39534	Seq. ID	OJ000208_07.0331.C3
Gene No.	81711	Strand	-
Start	269	End	1149
Name	OJ000208_07.0331.C3.o1.gs	Method	GENSCAN
Start	269	End	1149
GI	none	Score	.47
Exons	269..497, 1091..1149		
Seq. No.	39535	Seq. ID	OJ000208_07.0331.C4
Gene No.	81712	Strand	+
Start	218	End	2161
Name	OJ000208_07.0331.C4.o1.gp	Method	AAT/GAP
Start	218	End	2161
GI	uC-osflm202109e04b1	Score	892
Exons	218..485, 1884..2039, 2108..2161		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	39535	Seq. ID	OJ000208_07.0331.C4

Gene No.	81712	Strand	+
Start	218	End	2161
Name	OJ000208_07.0331.C4.o1.gs	Method	GENSCAN
Start	337	End	2043
GI	none	Score	.52
Exons	337..485, 1884..2043		

Seq. No.	39535	Seq. ID	OJ000208_07.0331.C4
Gene No.	81712	Strand	+
Start	218	End	2161
Name	OJ000208_07.0331.C4.o1.np	Method	AAT/NAP
Start	636	End	2161
GI	7507945	Score	54
Exons	636..680, 1922..2039, 2108..2161		
GI Descrip.	hypothetical protein T19B10.6 - Caenorhabditis elegans gi 3879914 emb CAA98538.1 (Z74043) predicted using Genefinder; cDNA EST EMBL:C13850 comes from this gene; cDNA EST EMBL:C11575 comes from this gene; cDNA EST yk343f4.5 comes from this gene [Caenorhabditis elegans]		

Seq. No.	39536	Seq. ID	OJ000208_07.0331.C5
Gene No.	81713	Strand	-
Start	1	End	708
Name	OJ000208_07.0331.C5.o1.np	Method	AAT/NAP
Start	1	End	489
GI	4512242	Score	656
Exons	1..489		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		

Seq. No.	39536	Seq. ID	OJ000208_07.0331.C5
Gene No.	81713	Strand	-
Start	1	End	708
Name	OJ000208_07.0331.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	379
GI	none	Score	62
Exons	2..226, 2..379, 33..245		

Seq. No.	39536	Seq. ID	OJ000208_07.0331.C5
Gene No.	81713	Strand	-
Start	1	End	708
Name	OJ000208_07.0331.C5.o1.tw	Method	TBLASTX:Wheat
Start	2	End	400
GI	none	Score	324
Exons	2..400, 3..398		

Seq. No.	39536	Seq. ID	OJ000208_07.0331.C5
Gene No.	81713	Strand	-
Start	1	End	708
Name	OJ000208_07.0331.C5.o1.gs	Method	GENSCAN
Start	14	End	567
GI	none	Score	.58
Exons	14..306, 535..567		

Seq. No.	39536	Seq. ID	OJ000208_07.0331.C5
Gene No.	81713	Strand	-
Start	1	End	708
Name	OJ000208_07.0331.C5.o1.ts	Method	TBLASTX:Soybean

Start 113
GI none
Exons 113..400, 114..398

End 400
Score 186

Seq. No. 39536
Gene No. 81713
Start 1
Name OJ000208_07.0331.C5.o1.gp
Start 401
GI 61605 1.R1084
Exons 401..708
GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. ID OJ000208_07.0331.C5
Strand -
End 708
Method AAT/GAP
End 708
Score 449

Seq. No. 39537
Gene No. 81714
Start 225
Name OJ000208_07.0331.C6.o2.gp
Start 225
GI 5816518
Exons 225..330
GI Descrip. 4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene

Seq. ID OJ000208_07.0331.C6
Strand +
End 330
Method AAT/GAP
End 330
Score 163

Seq. No. 39537
Gene No. 81715
Start 1
Name OJ000208_07.0331.C6.o1.np
Start 1
GI 7106512
Exons 1..70
GI Descrip. (AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. ID OJ000208_07.0331.C6
Strand -
End 70
Method AAT/NAP
End 70
Score 90

Seq. No. 39537
Gene No. 81716
Start 1
Name OJ000208_07.0331.C6.o1.gp
Start 1
GI 3761181
Exons 1..216
GI Descrip. 4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene

Seq. ID OJ000208_07.0331.C6
Strand -
End 216
Method AAT/GAP
End 216
Score 385

Seq. No. 39538
Gene No. 81717
Start 77
Name OJ000208_07.0331.C7.o1.gs
Start 77
GI none
Exons 77..85, 109..315

Seq. ID OJ000208_07.0331.C7
Strand +
End 315
Method GENSCAN
End 315
Score .59

Seq. No. 39538
Gene No. 81718
Start 1
Name OJ000208_07.0331.C7.o1.np
Start 1

Seq. ID OJ000208_07.0331.C7
Strand -
End 1342
Method AAT/NAP
End 1342

GI	7106512	Score	927
Exons	1..746, 1297..1342		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39538	Seq. ID	OJ000208_07.0331.C7
Gene No.	81718	Strand	-
Start	1	End	1342
Name	OJ000208_07.0331.C7.o2.gs	Method	GENSCAN
Start	520	End	835
GI	none	Score	.98
Exons	520..835		

Seq. No.	39539	Seq. ID	OJ000208_07.0331.C8
Gene No.	81719	Strand	+
Start	125	End	2078
Name	OJ000208_07.0331.C8.o2.np	Method	AAT/NAP
Start	125	End	2078
GI	4680186	Score	217
Exons	125..204, 1874..2078		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39539	Seq. ID	OJ000208_07.0331.C8
Gene No.	81720	Strand	-
Start	1	End	2451
Name	OJ000208_07.0331.C8.o1.np	Method	AAT/NAP
Start	1	End	2451
GI	5091513	Score	406
Exons	1..315, 2375..2451		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	39539	Seq. ID	OJ000208_07.0331.C8
Gene No.	81720	Strand	-
Start	1	End	2451
Name	OJ000208_07.0331.C8.o1.gs	Method	GENSCAN
Start	36	End	371
GI	none	Score	.41
Exons	36..371		

Seq. No.	39539	Seq. ID	OJ000208_07.0331.C8
Gene No.	81720	Strand	-
Start	1	End	2451
Name	OJ000208_07.0331.C8.o1.gp	Method	AAT/GAP
Start	1622	End	2007
GI	uC-osflcyp033a04b1	Score	637
Exons	1622..2007		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39540	Seq. ID	OJ000208_07.0331.C9
Gene No.	81721	Strand	+
Start	501	End	604
Name	OJ000208_07.0331.C9.o1.gs	Method	GENSCAN
Start	501	End	604
GI	none	Score	.49
Exons	501..604		

Seq. No.	39541	Seq. ID	OJ000208_07.0331.C10
Gene No.	81722	Strand	-
Start	1	End	1199
Name	OJ000208_07.0331.C10.o1.np	Method	AAT/NAP
Start	1	End	1199
GI	7485810	Score	349
Exons	1..578, 1129..1199		
GI Descrip.	hypothetical protein F19I3.26 - Arabidopsis thaliana gi 3033399 gb AAC12843.1 (AC004238) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39541	Seq. ID	OJ000208_07.0331.C10
Gene No.	81722	Strand	-
Start	1	End	1199
Name	OJ000208_07.0331.C10.o2.np	Method	AAT/NAP
Start	1	End	939
GI	6694371	Score	99
Exons	1..20, 418..939		
GI Descrip.	(AF200187) EBNA2-like protein [cercopithicine herpesvirus 15]		

Seq. No.	39541	Seq. ID	OJ000208_07.0331.C10
Gene No.	81722	Strand	-
Start	1	End	1199
Name	OJ000208_07.0331.C10.o1.tm	Method	TBLASTX:Maize
Start	31	End	519
GI	none	Score	80
Exons	31..231, 31..147, 31..300, 73..393, 97..333, 100..486, 100..486, 189..341, 193..519, 247..378		

Seq. No.	39541	Seq. ID	OJ000208_07.0331.C10
Gene No.	81722	Strand	-
Start	1	End	1199
Name	OJ000208_07.0331.C10.o1.ts	Method	TBLASTX:Soybean
Start	31	End	426
GI	none	Score	133
Exons	31..192, 53..256, 73..285, 166..333, 166..378, 265..423, 265..414, 355..426, 355..414		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11
Gene No.	81723	Strand	+
Start	203	End	594
Name	OJ000208_07.0331.C11.o1.gp	Method	AAT/GAP
Start	203	End	594
GI	3760523	Score	704
Exons	203..594		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11
Gene No.	81724	Strand	-
Start	806	End	1082
Name	OJ000208_07.0331.C11.o2.gp	Method	AAT/GAP
Start	757	End	1067
GI	2799285	Score	395
Exons	757..899, 991..1067		
GI Descrip.	2832685/emb CAA16785.1 8.0e-21 (AL021712) putative protein [Arabidopsis thaliana]		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11
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Gene No.	81724	Strand	-
Start	806	End	1082
Name	OJ000208_07.0331.C11.o1.tc	Method	TBLASTX:Cress
Start	795	End	1082
GI	none	Score	116
Exons	795..899, 809..901, 809..898, 814..900, 978..1082, 985..1080		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11
Gene No.	81724	Strand	-
Start	806	End	1082
Name	OJ000208_07.0331.C11.o1.gs	Method	GENSCAN
Start	806	End	899
GI	none	Score	.64
Exons	806..899		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11
Gene No.	81724	Strand	-
Start	806	End	1082
Name	OJ000208_07.0331.C11.o1.np	Method	AAT/NAP
Start	806	End	1082
GI	7486829	Score	236
Exons	806..899, 991..1082		
GI Descrip.	hypothetical protein T10I14.180 - Arabidopsis thaliana gi 2832685 emb CAA16785.1 (AL021712) putative protein [Arabidopsis thaliana] gi 7269081 emb CAB79190.1 (AL161557) putative protein [Arabidopsis thaliana]		

Seq. No.	39542	Seq. ID	OJ000208_07.0331.C11
Gene No.	81724	Strand	-
Start	806	End	1082
Name	OJ000208_07.0331.C11.o1.ts	Method	TBLASTX:Soybean
Start	806	End	1082
GI	none	Score	91
Exons	806..898, 807..899, 812..901, 978..1079, 978..1082, 985..1080		

Seq. No.	39543	Seq. ID	OJ000208_07.0331.C12
Gene No.	81725	Strand	+
Start	53	End	130
Name	OJ000208_07.0331.C12.o1.gs	Method	GENSCAN
Start	53	End	130
GI	none	Score	.94
Exons	53..130		

Seq. No.	39544	Seq. ID	OJ000208_07.0331.C13
Gene No.	81726	Strand	+
Start	388	End	1011
Name	OJ000208_07.0331.C13.o1.gp	Method	AAT/GAP
Start	388	End	991
GI	1024_1.R1084	Score	487
Exons	388..496, 829..991		
GI Descrip.	'2832685/emb CAA16785.1 8.0e-21 (AL021712) putative protein [Arabidopsis thaliana]'		

Seq. No.	39544	Seq. ID	OJ000208_07.0331.C13
Gene No.	81726	Strand	+
Start	388	End	1011
Name	OJ000208_07.0331.C13.o1.gs	Method	GENSCAN

Start 399
GI none
Exons 399..496, 829..990

End 990
Score .93

Seq. No. 39544
Gene No. 81726
Start 388
Name OJ000208_07.0331.C13.o1.tw
Start 419
GI none
Exons 419..499, 431..496, 818..988, 822..989, 826..990, 828..989

Seq. ID OJ000208_07.0331.C13
Strand +
End 1011
Method TBLASTX:Wheat
End 990
Score 87

Seq. No. 39544
Gene No. 81726
Start 388
Name OJ000208_07.0331.C13.o1.np
Start 431
GI 7446462
Exons 431..496, 829..991
GI Descrip. RAD23 protein homolog - rice gi|1488297|gb|AAB65841.1| (U63530)
osRAD23 [Oryza sativa]

Seq. ID OJ000208_07.0331.C13
Strand +
End 1011
Method AAT/NAP
End 991
Score 311

Seq. No. 39544
Gene No. 81726
Start 388
Name OJ000208_07.0331.C13.o1.ts
Start 431
GI none
Exons 431..484, 829..984, 834..983

Seq. ID OJ000208_07.0331.C13
Strand +
End 1011
Method TBLASTX:Soybean
End 984
Score 61

Seq. No. 39544
Gene No. 81726
Start 388
Name OJ000208_07.0331.C13.o1.tc
Start 431
GI none
Exons 431..499, 827..973, 828..980, 829..990, 895..990

Seq. ID OJ000208_07.0331.C13
Strand +
End 1011
Method TBLASTX:Cress
End 990
Score 62

Seq. No. 39544
Gene No. 81726
Start 388
Name OJ000208_07.0331.C13.o1.tm
Start 433
GI none
Exons 433..498, 433..498, 434..523, 822..992, 826..996, 827..991, 828..995, 895..1011

Seq. ID OJ000208_07.0331.C13
Strand +
End 1011
Method TBLASTX:Maize
End 1011
Score 59

Seq. No. 39545
Gene No. 81727
Start 799
Name OJ000208_07.0331.C14.o2.gp
Start 799
GI uC-osf1M202048c12b1
Exons 799..1314
GI Descrip. '5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. ID OJ000208_07.0331.C14
Strand +
End 1314
Method AAT/GAP
End 1314
Score 804

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81728	Strand	+
Start	4036	End	6985
Name	OJ000208_07.0331.C14.o4.gp	Method	AAT/GAP
Start	3962	End	4873
GI	none	Score	1667
Exons	3962..4873		
Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81728	Strand	+
Start	4036	End	6985
Name	OJ000208_07.0331.C14.o2.gs	Method	GENSCAN
Start	4036	End	6985
GI	none	Score	.86
Exons	4036..4425, 4465..4572, 5801..6339, 6502..6641, 6900..6985		
Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81729	Strand	+
Start	7599	End	9499
Name	OJ000208_07.0331.C14.o5.gp	Method	AAT/GAP
Start	7419	End	7802
GI	uC-osflcyp033a04b1	Score	705
Exons	7419..7802		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81729	Strand	+
Start	7599	End	9499
Name	OJ000208_07.0331.C14.o3.gs	Method	GENSCAN
Start	7599	End	9499
GI	none	Score	.86
Exons	7599..7670, 8690..9499		
Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81730	Strand	+
Start	9749	End	12735
Name	OJ000208_07.0331.C14.o1.np	Method	AAT/NAP
Start	9749	End	12735
GI	4680179	Score	2064
Exons	9749..10828, 10862..11980, 12716..12735		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81730	Strand	+
Start	9749	End	12735
Name	OJ000208_07.0331.C14.o4.gs	Method	GENSCAN
Start	9749	End	12013
GI	none	Score	.93
Exons	9749..12013		
Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81731	Strand	-
Start	63	End	337
Name	OJ000208_07.0331.C14.o1.gp	Method	AAT/GAP
Start	63	End	337
GI	61605_1.R1084	Score	456

Exons 63..337
 GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81732	Strand	
Start	9989	End	10188
Name	OJ000208_07.0331.C14.o4.tw	Method	TBLASTX:Wheat
Start	9989	End	10188
GI	none	Score	211
Exons	9989..10186, 9991..10188		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81733	Strand	
Start	10194	End	10573
Name	OJ000208_07.0331.C14.o2.tw	Method	TBLASTX:Wheat
Start	10194	End	10573
GI	none	Score	66
Exons	10194..10391, 10222..10416, 10223..10573		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81733	Strand	
Start	10194	End	10573
Name	OJ000208_07.0331.C14.o2.tm	Method	TBLASTX:Maize
Start	10223	End	10528
GI	none	Score	232
Exons	10223..10528, 10237..10353		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81734	Strand	
Start	10853	End	11311
Name	OJ000208_07.0331.C14.o3.tm	Method	TBLASTX:Maize
Start	10853	End	11206
GI	none	Score	189
Exons	10853..11206		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81734	Strand	
Start	10853	End	11311
Name	OJ000208_07.0331.C14.o3.tw	Method	TBLASTX:Wheat
Start	10889	End	11311
GI	none	Score	163
Exons	10889..11098, 10945..11097, 11143..11256, 11144..11311		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81735	Strand	
Start	11422	End	11962
Name	OJ000208_07.0331.C14.o1.tw	Method	TBLASTX:Wheat
Start	11422	End	11908
GI	none	Score	52
Exons	11422..11865, 11426..11476, 11531..11908		

Seq. No.	39545	Seq. ID	OJ000208_07.0331.C14
Gene No.	81735	Strand	
Start	11422	End	11962
Name	OJ000208_07.0331.C14.o1.tm	Method	TBLASTX:Maize
Start	11531	End	11962

GI	none	Score	366
Exons	11531..11962, 11570..11749, 11761..11955		
Seq. No.	39546	Seq. ID	OJ000208_07.0331.C15
Gene No.	81736	Strand	+
Start	1	End	846
Name	OJ000208_07.0331.C15.o1.np	Method	AAT/NAP
Start	1	End	846
GI	6983860	Score	448
Exons	1..538, 820..846		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39546	Seq. ID	OJ000208_07.0331.C15
Gene No.	81736	Strand	+
Start	1	End	846
Name	OJ000208_07.0331.C15.o1.tw	Method	TBLASTX:Wheat
Start	60	End	411
GI	none	Score	288
Exons	60..254, 61..411		

Seq. No.	39546	Seq. ID	OJ000208_07.0331.C15
Gene No.	81736	Strand	+
Start	1	End	846
Name	OJ000208_07.0331.C15.o1.tm	Method	TBLASTX:Maize
Start	61	End	366
GI	none	Score	230
Exons	61..366, 75..191		

Seq. No.	39546	Seq. ID	OJ000208_07.0331.C15
Gene No.	81736	Strand	+
Start	1	End	846
Name	OJ000208_07.0331.C15.o1.gs	Method	GENSCAN
Start	72	End	705
GI	none	Score	.45
Exons	72..705		

Seq. No.	39547	Seq. ID	OJ000208_07.0331.C18
Gene No.	81737	Strand	+
Start	528	End	2614
Name	OJ000208_07.0331.C18.o1.np	Method	AAT/NAP
Start	528	End	2614
GI	6226648	Score	1003
Exons	528..630, 712..765, 848..922, 1040..1108, 1193..1276, 1468..1665, 1781..2280, 2364..2614		
GI Descrip.	DNA MISMATCH REPAIR PROTEIN MSH6 gi 7487955 pir T01508 mismatch repair enzyme T10M13.8 - Arabidopsis thaliana gi 3912921 gb AAC78699.1 (AF001308) G/T DNA mismatch repair enzyme [Arabidopsis thaliana] gi 5763966 emb CAB53337.1 (AJ245967) mismatch repair protein msh6-1 [Arabidopsis thaliana] gi 7268591 emb CAB80700.1 (AL161493) G/T DNA mismatch repair enzyme [Ara		

Seq. No.	39547	Seq. ID	OJ000208_07.0331.C18
Gene No.	81737	Strand	+
Start	528	End	2614
Name	OJ000208_07.0331.C18.o1.tm	Method	TBLASTX:Maize

Start	606	End	1234
GI	none	Score	65
Exons	606..629, 711..764, 711..764, 712..780, 845..895, 847..921, 848..922, 1037..1108, 1040..1108, 1043..1099, 1175..1234, 1190..1234		

Seq. No.	39547	Seq. ID	OJ000208_07.0331.C18
Gene No.	81737	Strand	+
Start	528	End	2614
Name	OJ000208_07.0331.C18.o1.gs	Method	GENSCAN
Start	848	End	2493
GI	none	Score	.89
Exons	848..922, 1193..1276, 1468..1665, 1781..2280, 2364..2493		

Seq. No.	39548	Seq. ID	OJ000208_07.0331.C19
Gene No.	81738	Strand	+
Start	644	End	1931
Name	OJ000208_07.0331.C19.o1.np	Method	AAT/NAP
Start	644	End	1931
GI	7012942	Score	571
Exons	644..735, 1194..1372, 1532..1734, 1816..1931		
GI Descrip.	(AF227632) mismatch binding protein Mus3 [Zea mays]		

Seq. No.	39548	Seq. ID	OJ000208_07.0331.C19
Gene No.	81739	Strand	-
Start	1243	End	1906
Name	OJ000208_07.0331.C19.o1.gs	Method	GENSCAN
Start	1243	End	1906
GI	none	Score	.46
Exons	1243..1347, 1622..1698, 1849..1906		

Seq. No.	39549	Seq. ID	OJ000208_07.0331.C21
Gene No.	81740	Strand	+
Start	9	End	715
Name	OJ000208_07.0331.C21.o1.gs	Method	GENSCAN
Start	9	End	641
GI	none	Score	.47
Exons	9..641		

Seq. No.	39549	Seq. ID	OJ000208_07.0331.C21
Gene No.	81740	Strand	+
Start	9	End	715
Name	OJ000208_07.0331.C21.o1.gp	Method	AAT/GAP
Start	284	End	715
GI	95437_1.R1084	Score	714
Exons	284..715		
GI Descrip.	'4512226/dbj AB014738.1 AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o1.np	Method	AAT/NAP
Start	1	End	2792
GI	4680179	Score	3855
Exons	1..2792		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o6.tw	Method	TBLASTX:Wheat
Start	10	End	315
GI	none	Score	111
Exons	10..228, 229..315		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o4.tw	Method	TBLASTX:Wheat
Start	319	End	801
GI	none	Score	51
Exons	319..369, 423..758, 424..801		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o5.tm	Method	TBLASTX:Maize
Start	331	End	620
GI	none	Score	277
Exons	331..618, 429..620		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o1.tc	Method	TBLASTX:Cress
Start	448	End	765
GI	none	Score	180
Exons	448..765		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o3.tm	Method	TBLASTX:Maize
Start	688	End	1188
GI	none	Score	167
Exons	688..867, 696..842, 874..1188, 1014..1067, 1016..1072, 1095..1145		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o1.ts	Method	TBLASTX:Soybean
Start	742	End	1137
GI	none	Score	57
Exons	742..774, 744..773, 778..1137, 780..818, 846..1136		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o5.tw	Method	TBLASTX:Wheat
Start	850	End	1152
GI	none	Score	382

Exons 850..1152, 852..1136, 853..1146

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o1.tw	Method	TBLASTX:Wheat
Start	1153	End	1656
GI	none	Score	625
Exons	1153..1656, 1185..1574		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o3.ts	Method	TBLASTX:Soybean
Start	1159	End	1404
GI	none	Score	212
Exons	1159..1404, 1176..1304		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o1.tm	Method	TBLASTX:Maize
Start	1224	End	1587
GI	none	Score	482
Exons	1224..1574, 1225..1578, 1225..1587		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o3.tw	Method	TBLASTX:Wheat
Start	1656	End	2144
GI	none	Score	539
Exons	1656..2093, 1657..2094, 1681..2094, 1682..2122, 2091..2144		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o2.ts	Method	TBLASTX:Soybean
Start	1933	End	2192
GI	none	Score	171
Exons	1933..2112, 1938..2093, 2091..2192, 2126..2191		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o4.tm	Method	TBLASTX:Maize
Start	1992	End	2282
GI	none	Score	141
Exons	1992..2090, 1993..2091, 1993..2094, 2094..2282, 2099..2278		

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o2.tw	Method	TBLASTX:Wheat
Start	2151	End	2775
GI	none	Score	558
Exons	2151..2645, 2207..2641, 2641..2679, 2642..2689, 2689..2775,		

2689..2772

Seq. No.	39550	Seq. ID	OJ000208_07.0331.C22
Gene No.	81741	Strand	+
Start	1	End	2792
Name	OJ000208_07.0331.C22.o2.tm	Method	TBLASTX:Maize
Start	2331	End	2790
GI	none	Score	231
Exons	2331..2492, 2334..2483, 2339..2485, 2489..2638, 2490..2642, 2648..2689, 2656..2685, 2688..2789, 2689..2790		

Seq. No.	39551	Seq. ID	OJ000208_07.0331.C24
Gene No.	81742	Strand	-
Start	1	End	1280
Name	OJ000208_07.0331.C24.o1.np	Method	AAT/NAP
Start	1	End	1280
GI	5738372	Score	550
Exons	1..26, 245..352, 410..443, 518..685, 782..1280		
GI Descrip.	(AL033545) putative protein [Arabidopsis thaliana] gi 7269087 emb CAB79196.1 (AL161557) putative protein [Arabidopsis thaliana]		

Seq. No.	39551	Seq. ID	OJ000208_07.0331.C24
Gene No.	81742	Strand	-
Start	1	End	1280
Name	OJ000208_07.0331.C24.o1.tm	Method	TBLASTX:Maize
Start	245	End	898
GI	none	Score	175
Exons	245..349, 247..351, 248..352, 342..446, 342..443, 353..472, 355..444, 517..555, 518..559, 527..688, 533..688, 775..888, 779..898, 780..896		

Seq. No.	39551	Seq. ID	OJ000208_07.0331.C24
Gene No.	81742	Strand	-
Start	1	End	1280
Name	OJ000208_07.0331.C24.o1.ts	Method	TBLASTX:Soybean
Start	245	End	823
GI	none	Score	77
Exons	245..325, 246..326, 247..348, 369..443, 518..688, 519..689, 590..697, 779..820, 779..823		

Seq. No.	39551	Seq. ID	OJ000208_07.0331.C24
Gene No.	81742	Strand	-
Start	1	End	1280
Name	OJ000208_07.0331.C24.o1.gs	Method	GENSCAN
Start	249	End	967
GI	none	Score	.97
Exons	249..443, 518..685, 782..967		

Seq. No.	39551	Seq. ID	OJ000208_07.0331.C24
Gene No.	81742	Strand	-
Start	1	End	1280
Name	OJ000208_07.0331.C24.o1.gp	Method	AAT/GAP
Start	317	End	995
GI	uC-osflcyp027f11b1	Score	893
Exons	317..443, 518..685, 782..995		
GI Descrip.	'5881963/gb AAD55139.1 AF066079_1 2.0e-23 (AF066079)		

dihydrolipoamide S-acetyltransferase [Arabidopsis thaliana]'

Seq. No.	39552	Seq. ID	OJ000208_07.0331.C25
Gene No.	81743	Strand	-
Start	1	End	2730
Name	OJ000208_07.0331.C25.o1.np	Method	AAT/NAP
Start	1	End	2730
GI	7486824	Score	262
Exons	1..120, 1136..1360, 2491..2730		
GI Descrip.	hypothetical protein T10I14.120 - Arabidopsis thaliana gi 2832679 emb CAA16779.1 (AL021712) putative protein [Arabidopsis thaliana] gi 7269075 emb CAB79184.1 (AL161557) putative protein [Arabidopsis thaliana]		

Seq. No.	39552	Seq. ID	OJ000208_07.0331.C25
Gene No.	81743	Strand	-
Start	1	End	2730
Name	OJ000208_07.0331.C25.o1.tm	Method	TBLASTX:Maize
Start	5	End	1208
GI	none	Score	194
Exons	5..121, 7..120, 1110..1208, 1125..1172, 1132..1179, 1133..1204		

Seq. No.	39552	Seq. ID	OJ000208_07.0331.C25
Gene No.	81743	Strand	-
Start	1	End	2730
Name	OJ000208_07.0331.C25.o1.gs	Method	GENSCAN
Start	1136	End	1483
GI	none	Score	.6
Exons	1136..1483		

Seq. No.	39553	Seq. ID	OJ000208_07.0331.C28
Gene No.	81744	Strand	+
Start	213	End	657
Name	OJ000208_07.0331.C28.o1.gs	Method	GENSCAN
Start	213	End	657
GI	none	Score	.51
Exons	213..301, 309..495, 497..657		

Seq. No.	39554	Seq. ID	OJ000208_07.0331.C29
Gene No.	81745	Strand	+
Start	1	End	980
Name	OJ000208_07.0331.C29.o1.np	Method	AAT/NAP
Start	1	End	980
GI	6983860	Score	1451
Exons	1..980		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39554	Seq. ID	OJ000208_07.0331.C29
Gene No.	81745	Strand	+
Start	1	End	980
Name	OJ000208_07.0331.C29.o2.tm	Method	TBLASTX:Maize
Start	1	End	156
GI	none	Score	205
Exons	1..156, 3..128		

Seq. No.	39554	Seq. ID	OJ000208_07.0331.C29
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Gene No.	81745	Strand	+
Start	1	End	980
Name	OJ000208_07.0331.C29.o1.tw	Method	TBLASTX:Wheat
Start	1	End	603
GI	none	Score	678
Exons	1..603, 33..491, 478..600		
Seq. No.	39554	Seq. ID	OJ000208_07.0331.C29
Gene No.	81745	Strand	+
Start	1	End	980
Name	OJ000208_07.0331.C29.o1.gs	Method	GENSCAN
Start	102	End	921
GI	none	Score	.44
Exons	102..921		
Seq. No.	39554	Seq. ID	OJ000208_07.0331.C29
Gene No.	81745	Strand	+
Start	1	End	980
Name	OJ000208_07.0331.C29.o1.tm	Method	TBLASTX:Maize
Start	157	End	756
GI	none	Score	231
Exons	157..318, 165..311, 315..413, 315..740, 316..756, 478..741		
Seq. No.	39554	Seq. ID	OJ000208_07.0331.C29
Gene No.	81745	Strand	+
Start	1	End	980
Name	OJ000208_07.0331.C29.o2.tw	Method	TBLASTX:Wheat
Start	603	End	935
GI	none	Score	284
Exons	603..836, 604..864, 855..935		
Seq. No.	39555	Seq. ID	OJ000208_07.0331.C30
Gene No.	81746	Strand	+
Start	266	End	649
Name	OJ000208_07.0331.C30.o1.gp	Method	AAT/GAP
Start	266	End	649
GI	uC-osflcyp033a04b1	Score	665
Exons	266..649		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	39555	Seq. ID	OJ000208_07.0331.C30
Gene No.	81747	Strand	-
Start	199	End	1749
Name	OJ000208_07.0331.C30.o1.np	Method	AAT/NAP
Start	199	End	1749
GI	4680186	Score	344
Exons	199..400, 1234..1285, 1725..1749		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	39555	Seq. ID	OJ000208_07.0331.C30
Gene No.	81747	Strand	-
Start	199	End	1749
Name	OJ000208_07.0331.C30.o1.gs	Method	GENSCAN
Start	1072	End	1348
GI	none	Score	.93
Exons	1072..1285, 1311..1348		

Seq. No.	39555	Seq. ID	OJ000208_07.0331.C30
Gene No.	81747	Strand	-
Start	199	End	1749
Name	OJ000208_07.0331.C30.o3.gp	Method	AAT/GAP
Start	1330	End	1749
GI	none	Score	747
Exons	1330..1749		

Seq. No.	39556	Seq. ID	OJ000208_07.0331.C31
Gene No.	81748	Strand	+
Start	275	End	1883
Name	OJ000208_07.0331.C31.o1.np	Method	AAT/NAP
Start	275	End	1883
GI	5852179	Score	431
Exons	275..295, 1285..1503, 1578..1883		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	39556	Seq. ID	OJ000208_07.0331.C31
Gene No.	81749	Strand	-
Start	764	End	1710
Name	OJ000208_07.0331.C31.o1.gp	Method	AAT/GAP
Start	634	End	1370
GI	101153_1.R1084	Score	400
Exons	634..884, 1333..1370		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39556	Seq. ID	OJ000208_07.0331.C31
Gene No.	81749	Strand	-
Start	764	End	1710
Name	OJ000208_07.0331.C31.o1.gs	Method	GENSCAN
Start	764	End	1710
GI	none	Score	.49
Exons	764..864, 1376..1475, 1529..1710		

Seq. No.	39557	Seq. ID	OJ000208_07.0331.C32
Gene No.	81750	Strand	+
Start	922	End	1306
Name	OJ000208_07.0331.C32.o2.gp	Method	AAT/GAP
Start	922	End	1306
GI	uC-osflcyp033a04b1	Score	642
Exons	922..1306		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39557	Seq. ID	OJ000208_07.0331.C32
Gene No.	81751	Strand	-
Start	359	End	490
Name	OJ000208_07.0331.C32.o1.gs	Method	GENSCAN
Start	359	End	490
GI	none	Score	.46
Exons	359..490		

Seq. No.	39557	Seq. ID	OJ000208_07.0331.C32
Gene No.	81752	Strand	-
Start	855	End	1849

Name	OJ000208_07.0331.C32.o1.np	Method	AAT/NAP
Start	855	End	1849
GI	4680186	Score	316
Exons	855..1055, 1786..1849		
GI Descrip.	(AF1111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	39558	Seq. ID	OJ000208_07.0331.C35
Gene No.	81753	Strand	+
Start	1	End	873
Name	OJ000208_07.0331.C35.o1.np	Method	AAT/NAP
Start	1	End	873
GI	4263522	Score	482
Exons	1..763, 812..873		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	39558	Seq. ID	OJ000208_07.0331.C35
Gene No.	81753	Strand	+
Start	1	End	873
Name	OJ000208_07.0331.C35.o1.tm	Method	TBLASTX:Maize
Start	32	End	637
GI	none	Score	57
Exons	32..205, 33..134, 40..201, 43..342, 43..222, 44..226, 44..190, 44..637, 176..400		
Seq. No.	39558	Seq. ID	OJ000208_07.0331.C35
Gene No.	81753	Strand	+
Start	1	End	873
Name	OJ000208_07.0331.C35.o1.tw	Method	TBLASTX:Wheat
Start	47	End	339
GI	none	Score	197
Exons	47..337, 49..339, 164..280		
Seq. No.	39558	Seq. ID	OJ000208_07.0331.C35
Gene No.	81753	Strand	+
Start	1	End	873
Name	OJ000208_07.0331.C35.o1.tc	Method	TBLASTX:Cress
Start	82	End	643
GI	none	Score	287
Exons	82..276, 125..643		
Seq. No.	39558	Seq. ID	OJ000208_07.0331.C35
Gene No.	81753	Strand	+
Start	1	End	873
Name	OJ000208_07.0331.C35.o1.ts	Method	TBLASTX:Soybean
Start	194	End	733
GI	none	Score	286
Exons	194..733		
Seq. No.	39559	Seq. ID	OJ000208_07.0331.C36
Gene No.	81754	Strand	-
Start	1203	End	1373
Name	OJ000208_07.0331.C36.o1.gs	Method	GENSCAN
Start	1203	End	1373
GI	none	Score	.62
Exons	1203..1373		
Seq. No.	39560	Seq. ID	OJ000208_07.0331.C39

Gene No.	81755	Strand	+
Start	1	End	346
Name	OJ000208_07.0331.C39.o1.np	Method	AAT/NAP
Start	1	End	346
GI	4680186	Score	204
Exons	1..346		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39560	Seq. ID	OJ000208_07.0331.C39
Gene No.	81756	Strand	-
Start	1	End	274
Name	OJ000208_07.0331.C39.o1.gp	Method	AAT/GAP
Start	1	End	274
GI	uC-osflcyp033a04b1	Score	421
Exons	1..274		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39561	Seq. ID	OJ000208_07.0331.C40
Gene No.	81757	Strand	+
Start	257	End	2276
Name	OJ000208_07.0331.C40.o1.gs	Method	GENSCAN
Start	257	End	1206
GI	none	Score	.8
Exons	257..311, 552..1206		

Seq. No.	39561	Seq. ID	OJ000208_07.0331.C40
Gene No.	81757	Strand	+
Start	257	End	2276
Name	OJ000208_07.0331.C40.o1.np	Method	AAT/NAP
Start	333	End	2276
GI	6063554	Score	150
Exons	333..377, 714..878, 977..1047, 2104..2276		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279
Name	OJ000208_07.0331.C42.o1.np	Method	AAT/NAP
Start	1	End	996
GI	4680203	Score	878
Exons	1..996		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279
Name	OJ000208_07.0331.C42.o1.gs	Method	GENSCAN
Start	196	End	771
GI	none	Score	.62
Exons	196..443, 585..771		

Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279

Name	OJ000208_07.0331.C42.o1.ts	Method	TBLASTX:Soybean
Start	244	End	534
GI	none	Score	103
Exons	244..309, 316..534, 323..526		
Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279
Name	OJ000208_07.0331.C42.o1.tw	Method	TBLASTX:Wheat
Start	316	End	675
GI	none	Score	213
Exons	316..567, 317..559, 550..675, 567..626		
Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279
Name	OJ000208_07.0331.C42.o1.tm	Method	TBLASTX:Maize
Start	411	End	624
GI	none	Score	115
Exons	411..545, 412..552, 413..538, 553..624		
Seq. No.	39562	Seq. ID	OJ000208_07.0331.C42
Gene No.	81758	Strand	-
Start	1	End	1279
Name	OJ000208_07.0331.C42.o2.np	Method	AAT/NAP
Start	679	End	1279
GI	5852182	Score	361
Exons	679..1011, 1223..1279		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	39563	Seq. ID	OJ000208_07.0331.C45
Gene No.	81759	Strand	
Start	1296	End	1804
Name	OJ000208_07.0331.C45.o1.ts	Method	TBLASTX:Soybean
Start	1296	End	1617
GI	none	Score	112
Exons	1296..1421, 1310..1435, 1393..1617, 1452..1595		
Seq. No.	39563	Seq. ID	OJ000208_07.0331.C45
Gene No.	81759	Strand	
Start	1296	End	1804
Name	OJ000208_07.0331.C45.o1.tm	Method	TBLASTX:Maize
Start	1396	End	1804
GI	none	Score	47
Exons	1396..1461, 1450..1644, 1452..1631, 1501..1803, 1502..1804		
Seq. No.	39564	Seq. ID	OJ000208_07.0331.C46
Gene No.	81760	Strand	+
Start	113	End	864
Name	OJ000208_07.0331.C46.o1.gs	Method	GENSCAN
Start	113	End	864
GI	none	Score	.41
Exons	113..200, 569..668, 838..864		
Seq. No.	39565	Seq. ID	OJ000208_07.0331.C48
Gene No.	81761	Strand	+
Start	695	End	1955

Name	OJ000208_07.0331.C48.o1.tm	Method	TBLASTX:Maize
Start	620	End	1468
GI	none	Score	175
Exons	620..802, 678..806, 711..821, 712..810, 840..1004, 854..1027, 859..1029, 862..1026, 875..1027, 876..1031, 1201..1464, 1202..1468, 1202..1465		
Seq. No.	39565	Seq. ID	OJ000208_07.0331.C48
Gene No.	81761	Strand	+
Start	695	End	1955
Name	OJ000208_07.0331.C48.o1.ts	Method	TBLASTX:Soybean
Start	680	End	1333
GI	none	Score	147
Exons	680..802, 699..806, 861..971, 862..972, 982..1041, 1192..1329, 1205..1333		
Seq. No.	39565	Seq. ID	OJ000208_07.0331.C48
Gene No.	81761	Strand	+
Start	695	End	1955
Name	OJ000208_07.0331.C48.o1.tc	Method	TBLASTX:Cress
Start	681	End	1465
GI	none	Score	140
Exons	681..806, 713..796, 855..974, 859..975, 876..974, 982..1041, 1205..1465, 1225..1383, 1232..1438		
Seq. No.	39565	Seq. ID	OJ000208_07.0331.C48
Gene No.	81761	Strand	+
Start	695	End	1955
Name	OJ000208_07.0331.C48.o1.gs	Method	GENSCAN
Start	695	End	1746
GI	none	Score	.93
Exons	695..803, 877..1031, 1204..1465, 1552..1746		
Seq. No.	39565	Seq. ID	OJ000208_07.0331.C48
Gene No.	81761	Strand	+
Start	695	End	1955
Name	OJ000208_07.0331.C48.o1.np	Method	AAT/NAP
Start	801	End	1719
GI	3785998	Score	540
Exons	801..1041, 1214..1465, 1552..1719		
GI Descrip.	(AC005499) unknown protein [Arabidopsis thaliana]		
Seq. No.	39565	Seq. ID	OJ000208_07.0331.C48
Gene No.	81761	Strand	+
Start	695	End	1955
Name	OJ000208_07.0331.C48.o1.tw	Method	TBLASTX:Wheat
Start	1394	End	1746
GI	none	Score	97
Exons	1394..1465, 1403..1465, 1543..1746, 1551..1658, 1615..1731		
Seq. No.	39565	Seq. ID	OJ000208_07.0331.C48
Gene No.	81761	Strand	+
Start	695	End	1955
Name	OJ000208_07.0331.C48.o1.gp	Method	AAT/GAP
Start	1401	End	1955
GI	46456_1.R1084	Score	831
Exons	1401..1465, 1552..1955		

GI Descrip. '2642159 2.0e-20 (AC003000) putative mannose-1-phosphate
guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484)
GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925
(AF108660) CYT1 protein [Arabidopsis thaliana]'

Seq. No.	39566	Seq. ID	OJ000208_07.0331.C49
Gene No.	81762	Strand	-
Start	1	End	746
Name	OJ000208_07.0331.C49.o1.np	Method	AAT/NAP
Start	1	End	746
GI	7012942	Score	371
Exons	1..264, 723..746		
GI Descrip.	(AF227632) mismatch binding protein Mus3 [Zea mays]		

Seq. No.	39566	Seq. ID	OJ000208_07.0331.C49
Gene No.	81762	Strand	-
Start	1	End	746
Name	OJ000208_07.0331.C49.o1.gs	Method	GENSCAN
Start	71	End	259
GI	none	Score	.87
Exons	71..259		

Seq. No.	39567	Seq. ID	OJ000208_07.0331.C50
Gene No.	81763	Strand	-
Start	308	End	1374
Name	OJ000208_07.0331.C50.o1.gs	Method	GENSCAN
Start	308	End	1374
GI	none	Score	.4
Exons	308..455, 1135..1182, 1327..1374		

Seq. No.	39568	Seq. ID	OJ000208_07.0331.C51
Gene No.	81764	Strand	+
Start	2599	End	3517
Name	OJ000208_07.0331.C51.o2.gp	Method	AAT/GAP
Start	2599	End	3517
GI	none	Score	1740
Exons	2599..3517		

Seq. No.	39568	Seq. ID	OJ000208_07.0331.C51
Gene No.	81765	Strand	-
Start	1058	End	1501
Name	OJ000208_07.0331.C51.o1.gp	Method	AAT/GAP
Start	1058	End	1501
GI	none	Score	782
Exons	1058..1501		

Seq. No.	39568	Seq. ID	OJ000208_07.0331.C51
Gene No.	81766	Strand	-
Start	3600	End	4722
Name	OJ000208_07.0331.C51.o2.gs	Method	GENSCAN
Start	3600	End	4722
GI	none	Score	.66
Exons	3600..3626, 4315..4369, 4622..4722		

Seq. No.	39569	Seq. ID	OJ000208_07.0331.C52
Gene No.	81767	Strand	+
Start	1839	End	4379

Name	OJ000208_07.0331.C52.o1.gs	Method	GENSCAN
Start	1839	End	4379
GI	none	Score	.52
Exons	1839..1849, 2394..2428, 2571..2707, 2764..2813, 3692..3731, 3736..3895, 4330..4379		
Seq. No.	39569	Seq. ID	OJ000208_07.0331.C52
Gene No.	81767	Strand	+
Start	1839	End	4379
Name	OJ000208_07.0331.C52.o1.np	Method	AAT/NAP
Start	2524	End	4223
GI	5734709	Score	100
Exons	2524..2758, 3624..3928, 4008..4223		
GI Descrip.	(AC008075) Contains PF 00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		
Seq. No.	39569	Seq. ID	OJ000208_07.0331.C52
Gene No.	81768	Strand	-
Start	3871	End	4310
Name	OJ000208_07.0331.C52.o1.tm	Method	TBLASTX:Maize
Start	3418	End	3836
GI	none	Score	180
Exons	3418..3516, 3418..3453, 3449..3505, 3496..3561, 3610..3684, 3611..3691, 3693..3740, 3730..3831, 3771..3836		
Seq. No.	39569	Seq. ID	OJ000208_07.0331.C52
Gene No.	81768	Strand	-
Start	3871	End	4310
Name	OJ000208_07.0331.C52.o1.gp	Method	AAT/GAP
Start	3871	End	4310
GI	none	Score	848
Exons	3871..4310		
Seq. No.	39570	Seq. ID	OJ000208_07.0331.C53
Gene No.	81769	Strand	-
Start	1043	End	1331
Name	OJ000208_07.0331.C53.o1.gs	Method	GENSCAN
Start	1043	End	1331
GI	none	Score	.49
Exons	1043..1061, 1258..1331		
Seq. No.	39571	Seq. ID	OJ000208_07.0331.C54
Gene No.	81770	Strand	-
Start	1	End	705
Name	OJ000208_07.0331.C54.o1.np	Method	AAT/NAP
Start	1	End	705
GI	5852180	Score	483
Exons	1..56, 185..603, 655..705		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	39571	Seq. ID	OJ000208_07.0331.C54
Gene No.	81770	Strand	-
Start	1	End	705
Name	OJ000208_07.0331.C54.o1.gs	Method	GENSCAN
Start	43	End	558
GI	none	Score	.94
Exons	43..558		

Seq. No.	39572	Seq. ID	OJ000208_07.0331.C55
Gene No.	81771	Strand	+
Start	529	End	620
Name	OJ000208_07.0331.C55.o1.gs	Method	GENSCAN
Start	529	End	620
GI	none	Score	.74
Exons	529..620		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81772	Strand	+
Start	254	End	15809
Name	OJ000228_01.0331.C2.o1.gs	Method	GENSCAN
Start	254	End	10253
GI	none	Score	.68
Exons	254..383, 448..1023, 1115..1213, 1286..1438, 1545..2309, 3135..3412, 4626..4684, 4812..5282, 5381..5500, 6062..6640, 6951..7234, 7287..7646, 8211..8267, 9111..10253		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81772	Strand	+
Start	254	End	15809
Name	OJ000228_01.0331.C2.o1.np	Method	AAT/NAP
Start	694	End	3428
GI	7428718	Score	923
Exons	694..1017, 1115..1213, 1286..1438, 1545..2309, 3135..3428		
GI Descrip.	probable kinesin - Arabidopsis thaliana gi 2244771 emb CAB10194.1 (Z97335) kinesin like protein [Arabidopsis thaliana] gi 7268120 emb CAB78457.1 (AL161538) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81772	Strand	+
Start	254	End	15809
Name	OJ000228_01.0331.C2.o2.np	Method	AAT/NAP
Start	5210	End	15809
GI	6433962	Score	83
Exons	5210..5250, 10938..11346, 15778..15809		
GI Descrip.	(Y19186) aczonin [Mus musculus]		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81772	Strand	+
Start	254	End	15809
Name	OJ000228_01.0331.C2.o2.gs	Method	GENSCAN
Start	10617	End	12757
GI	none	Score	.94
Exons	10617..10669, 10818..10932, 11053..11418, 12572..12757		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81773	Strand	-
Start	13786	End	13932
Name	OJ000228_01.0331.C2.o2.tm	Method	TBLASTX:Maize
Start	45	End	393
GI	none	Score	212
Exons	45..170, 45..161, 47..175, 47..166, 231..383, 285..383, 286..393		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
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Gene No.	81773	Strand	-
Start	13786	End	13932
Name	OJ000228_01.0331.C2.o1.ts	Method	TBLASTX:Soybean
Start	1114	End	1748
GI	none	Score	117
Exons	1114..1215, 1115..1216, 1285..1443, 1286..1441, 1521..1640, 1647..1748		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81773	Strand	-
Start	13786	End	13932
Name	OJ000228_01.0331.C2.o1.tm	Method	TBLASTX:Maize
Start	1294	End	2012
GI	none	Score	166
Exons	1294..1443, 1295..1441, 1295..1444, 1521..1730, 1543..1743, 1618..1731, 1766..2011, 1833..2012		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81773	Strand	-
Start	13786	End	13932
Name	OJ000228_01.0331.C2.o1.tc	Method	TBLASTX:Cress
Start	2127	End	3359
GI	none	Score	188
Exons	2127..2309, 2132..2308, 3111..3236, 3222..3359		

Seq. No.	39573	Seq. ID	OJ000228_01.0331.C2
Gene No.	81773	Strand	-
Start	13786	End	13932
Name	OJ000228_01.0331.C2.o3.gs	Method	GENSCAN
Start	13786	End	13932
GI	none	Score	.8
Exons	13786..13932		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81774	Strand	+
Start	876	End	1008
Name	OJ000228_01.0331.C3.o1.gs	Method	GENSCAN
Start	876	End	1008
GI	none	Score	.42
Exons	876..1008		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81775	Strand	+
Start	2285	End	4207
Name	OJ000228_01.0331.C3.o1.np	Method	AAT/NAP
Start	2285	End	4207
GI	5852093	Score	61
Exons	2285..2461, 4180..4207		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81776	Strand	-
Start	1	End	216
Name	OJ000228_01.0331.C3.o1.gp	Method	AAT/GAP
Start	1	End	216
GI	3061021	Score	284
Exons	1..216		

GI Descrip. 2642159 2.0e-20 (AC003000) putative mannose-1-phosphate
guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484)
GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925
(AF108660) CYT1 protein [Arabidopsis thaliana]

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81777	Strand	-
Start	1068	End	1133
Name	OJ000228_01.0331.C3.o2.gp	Method	AAT/GAP
Start	1068	End	1133
GI	LIB3477-003-P1-K1-E9	Score	90
Exons	1068..1133		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81778	Strand	-
Start	2800	End	16123
Name	OJ000228_01.0331.C3.o2.gs	Method	GENSCAN
Start	2800	End	13547
GI	none	Score	.55
Exons	2800..2861, 3040..3090, 4141..4316, 9891..10028, 10279..10401, 11453..11778, 11792..11940, 13346..13457, 13491..13547		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81778	Strand	-
Start	2800	End	16123
Name	OJ000228_01.0331.C3.o3.np	Method	AAT/NAP
Start	10651	End	16123
GI	5257279	Score	719
Exons	10651..10673, 15685..16123		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	39574	Seq. ID	OJ000228_01.0331.C3
Gene No.	81778	Strand	-
Start	2800	End	16123
Name	OJ000228_01.0331.C3.o3.gs	Method	GENSCAN
Start	14196	End	16123
GI	none	Score	.89
Exons	14196..14303, 15653..16123		

Seq. No.	39575	Seq. ID	OJ000228_01.0331.C17
Gene No.	81779	Strand	-
Start	841	End	1188
Name	OJ000228_01.0331.C17.o1.gs	Method	GENSCAN
Start	841	End	1188
GI	none	Score	1
Exons	841..1188		

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o1.np	Method	AAT/NAP
Start	1	End	972
GI	6682628	Score	488

Exons 1..82, 201..422, 520..756, 884..972
 GI Descrip. (AC016163) putative ATP-dependent RNA helicase [Arabidopsis thaliana]

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o1.gs	Method	GENSCAN
Start	157	End	779
GI	none	Score	.64
Exons	157..422, 520..779		

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o1.tm	Method	TBLASTX:Maize
Start	204	End	425
GI	none	Score	73
Exons	204..425, 238..411		

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o1.ts	Method	TBLASTX:Soybean
Start	223	End	425
GI	none	Score	213
Exons	223..423, 231..425, 232..423, 240..425		

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o2.ts	Method	TBLASTX:Soybean
Start	520	End	971
GI	none	Score	136
Exons	520..759, 521..757, 848..970, 861..971		

Seq. No.	39576	Seq. ID	OJ000228_01.0331.C18
Gene No.	81780	Strand	-
Start	1	End	972
Name	OJ000228_01.0331.C18.o1.tc	Method	TBLASTX:Cress
Start	532	End	970
GI	none	Score	98
Exons	532..603, 628..759, 644..757, 848..901, 896..970, 897..968		

Seq. No.	39577	Seq. ID	OJ000228_01.0331.C30
Gene No.	81781	Strand	+
Start	515	End	1047
Name	OJ000228_01.0331.C30.o1.gs	Method	GENSCAN
Start	515	End	1047
GI	none	Score	.47
Exons	515..541, 976..1047		

Seq. No.	39578	Seq. ID	OJ000228_01.0331.C31
Gene No.	81782	Strand	+
Start	4088	End	6744
Name	OJ000228_01.0331.C31.o1.np	Method	AAT/NAP
Start	4088	End	6744

GI	6539570	Score	210
Exons	4088..4280, 4440..4504, 6697..6744		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	39578	Seq. ID	OJ000228_01.0331.C31
Gene No.	81782	Strand	+
Start	4088	End	6744
Name	OJ000228_01.0331.C31.o2.np	Method	AAT/NAP
Start	5172	End	5308
GI	5922620	Score	163
Exons	5172..5308		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	39578	Seq. ID	OJ000228_01.0331.C31
Gene No.	81783	Strand	-
Start	5448	End	6792
Name	OJ000228_01.0331.C31.o3.np	Method	AAT/NAP
Start	5448	End	6792
GI	6630699	Score	72
Exons	5448..5526, 6698..6792		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	39578	Seq. ID	OJ000228_01.0331.C31
Gene No.	81784	Strand	-
Start	6846	End	8284
Name	OJ000228_01.0331.C31.o2.gs	Method	GENSCAN
Start	6846	End	8284
GI	none	Score	.42
Exons	6846..6936, 7658..7809, 8159..8284		
Seq. No.	39579	Seq. ID	OJ000228_01.0331.C32
Gene No.	81785	Strand	+
Start	256	End	379
Name	OJ000228_01.0331.C32.o1.gs	Method	GENSCAN
Start	256	End	379
GI	none	Score	.88
Exons	256..379		
Seq. No.	39580	Seq. ID	OJ000308_06.0328.C1
Gene No.	81786	Strand	+
Start	982	End	1560
Name	OJ000308_06.0328.C1.o1.tc	Method	TBLASTX:Cress
Start	354	End	1546
GI	none	Score	61
Exons	354..440, 521..601, 522..608, 763..837, 980..1054, 985..1053, 1099..1212, 1130..1198, 1144..1200, 1252..1356, 1260..1358, 1260..1355, 1428..1517, 1430..1546, 1433..1513, 1435..1536		
Seq. No.	39580	Seq. ID	OJ000308_06.0328.C1
Gene No.	81786	Strand	+
Start	982	End	1560

Name	OJ000308_06.0328.C1.o1.tm	Method	TBLASTX:Maize
Start	357	End	1546
GI	none	Score	103
Exons	357..440, 359..442, 364..450, 521..601, 522..611, 522..611, 523..612, 758..826, 760..837, 762..833, 971..1057, 975..1046, 980..1054, 1099..1212, 1121..1198, 1252..1356, 1260..1355, 1428..1538, 1430..1546, 1435..1536		

Seq. No.	39580	Seq. ID	OJ000308_06.0328.C1
Gene No.	81786	Strand	+
Start	982	End	1560
Name	OJ000308_06.0328.C1.o1.ts	Method	TBLASTX:Soybean
Start	357	End	1546
GI	none	Score	54
Exons	357..440, 521..610, 522..605, 759..833, 763..837, 980..1054, 985..1056, 1127..1198, 1130..1198, 1132..1212, 1144..1200, 1252..1356, 1260..1367, 1260..1355, 1428..1541, 1430..1546, 1433..1543, 1435..1545		

Seq. No.	39580	Seq. ID	OJ000308_06.0328.C1
Gene No.	81786	Strand	+
Start	982	End	1560
Name	OJ000308_06.0328.C1.o1.tw	Method	TBLASTX:Wheat
Start	758	End	1512
GI	none	Score	61
Exons	758..820, 759..833, 760..837, 763..837, 980..1054, 985..1056, 1084..1212, 1121..1198, 1252..1356, 1260..1358, 1260..1355, 1430..1507, 1435..1512, 1435..1506		

Seq. No.	39580	Seq. ID	OJ000308_06.0328.C1
Gene No.	81786	Strand	+
Start	982	End	1560
Name	OJ000308_06.0328.C1.o1.gp	Method	AAT/GAP
Start	982	End	1560
GI	LIB3433-056-P1-K1-E2	Score	560
Exons	982..1053, 1132..1198, 1261..1356, 1436..1560		
GI Descrip.	'5669871/gb AAD46491.1 AF135014_1 1.0e-71 (AF135014) dihydrolipoamide S-acetyltransferase [Zea mays]'		

Seq. No.	39581	Seq. ID	OJ000308_06.0328.C2
Gene No.	81787	Strand	+
Start	191	End	555
Name	OJ000308_06.0328.C2.o1.gp	Method	AAT/GAP
Start	191	End	555
GI	5003232	Score	628
Exons	191..555		

Seq. No.	39581	Seq. ID	OJ000308_06.0328.C2
Gene No.	81788	Strand	+
Start	8990	End	10631
Name	OJ000308_06.0328.C2.o2.tm	Method	TBLASTX:Maize
Start	3862	End	4561
GI	none	Score	39
Exons	3862..3951, 3880..3921, 3940..4134, 3986..4141, 4151..4306, 4166..4309, 4197..4313, 4201..4317, 4308..4433, 4310..4438, 4381..4446, 4421..4561		

Seq. No. 39581
 Gene No. 81788
 Start 8990
 Name OJ000308_06.0328.C2.o1.tw
 Start 4081
 GI none
 Exons 4081..4131, 4248..4313, 4307..4426, 4311..4430

Seq. ID OJ000308_06.0328.C2
 Strand +
 End 10631
 Method TBLASTX:Wheat
 End 4430
 Score 56

Seq. No. 39581
 Gene No. 81788
 Start 8990
 Name OJ000308_06.0328.C2.o4.tm
 Start 4672
 GI none
 Exons 4672..4989, 4698..4985

Seq. ID OJ000308_06.0328.C2
 Strand +
 End 10631
 Method TBLASTX:Maize
 End 4989
 Score 107

Seq. No. 39581
 Gene No. 81788
 Start 8990
 Name OJ000308_06.0328.C2.o2.tw
 Start 4920
 GI none
 Exons 4920..5048, 5058..5354

Seq. ID OJ000308_06.0328.C2
 Strand +
 End 10631
 Method TBLASTX:Wheat
 End 5354
 Score 169

Seq. No. 39581
 Gene No. 81788
 Start 8990
 Name OJ000308_06.0328.C2.o1.tm
 Start 4995
 GI none
 Exons 4995..5549, 5002..5451

Seq. ID OJ000308_06.0328.C2
 Strand +
 End 10631
 Method TBLASTX:Maize
 End 5549
 Score 213

Seq. No. 39581
 Gene No. 81788
 Start 8990
 Name OJ000308_06.0328.C2.o3.tm
 Start 8869
 GI none
 Exons 8869..9024, 8870..9136, 9067..9132, 10021..10155, 10023..10121, 10053..10166, 10076..10165, 10547..10627

Seq. ID OJ000308_06.0328.C2
 Strand +
 End 10631
 Method TBLASTX:Maize
 End 10627
 Score 306

Seq. No. 39581
 Gene No. 81788
 Start 8990
 Name OJ000308_06.0328.C2.o1.tc
 Start 8972
 GI none
 Exons 8972..9136, 10021..10161, 10023..10118, 10088..10159, 10583..10627

Seq. ID OJ000308_06.0328.C2
 Strand +
 End 10631
 Method TBLASTX:Cress
 End 10627
 Score 211

Seq. No. 39581
 Gene No. 81788
 Start 8990
 Name OJ000308_06.0328.C2.o2.gp
 Start 8990
 GI 1078_1.R1084
 Exons 8990..9133, 10024..10154, 10585..10631

Seq. ID OJ000308_06.0328.C2
 Strand +
 End 10631
 Method AAT/GAP
 End 10631
 Score 574

GI Descrip. '2708745 0.0e+00 (AC003952) putative calcium-dependent ser/thr protein kinase [Arabidopsis thaliana]'

Seq. No.	39582	Seq. ID	OJ000308_06.0328.C6
Gene No.	81789	Strand	-
Start	1520	End	2137
Name	OJ000308_06.0328.C6.o1.gp	Method	AAT/GAP
Start	1520	End	2137
GI	568812	Score	523
Exons	1520..1549, 1888..2137		

Seq. No.	39582	Seq. ID	OJ000308_06.0328.C6
Gene No.	81790	Strand	-
Start	9619	End	9811
Name	OJ000308_06.0328.C6.o1.tc	Method	TBLASTX:Cress
Start	9619	End	9811
GI	none	Score	108
Exons	9619..9807, 9722..9811		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o7.tw	Method	TBLASTX:Wheat
Start	607	End	960
GI	none	Score	210
Exons	607..960		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o1.ts	Method	TBLASTX:Soybean
Start	2134	End	2559
GI	none	Score	407
Exons	2134..2559, 2136..2435, 2230..2547		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o2.tw	Method	TBLASTX:Wheat
Start	2134	End	2538
GI	none	Score	417
Exons	2134..2538, 2136..2429, 2137..2508		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o2.tm	Method	TBLASTX:Maize
Start	2422	End	2784
GI	none	Score	214
Exons	2422..2784		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o1.tw	Method	TBLASTX:Wheat
Start	2635	End	3067
GI	none	Score	541

Exons 2635..3066, 2637..3056, 2726..3067

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o1.tm	Method	TBLASTX:Maize
Start	2800	End	3348
GI	none	Score	275
Exons	2800..3213, 2892..3212, 3205..3348		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o4.ts	Method	TBLASTX:Soybean
Start	2926	End	3261
GI	none	Score	71
Exons	2926..2991, 2991..3206, 2992..3261		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o3.tw	Method	TBLASTX:Wheat
Start	3070	End	3381
GI	none	Score	373
Exons	3070..3381, 3072..3227, 3249..3371		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o6.tw	Method	TBLASTX:Wheat
Start	3385	End	3802
GI	none	Score	193
Exons	3385..3585, 3387..3569, 3406..3570, 3573..3647, 3577..3648, 3661..3735, 3734..3802		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o5.ts	Method	TBLASTX:Soybean
Start	3391	End	3569
GI	none	Score	183
Exons	3391..3531, 3406..3507, 3537..3569		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o1.tc	Method	TBLASTX:Cress
Start	3568	End	3898
GI	none	Score	59
Exons	3568..3627, 3694..3729, 3734..3898, 3748..3897		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o3.ts	Method	TBLASTX:Soybean
Start	3919	End	4273
GI	none	Score	71

Exons 3919..3960, 3920..3961, 3956..4273, 3958..4272

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o5.tw	Method	TBLASTX:Wheat
Start	3920	End	4318
GI	none	Score	326
Exons	3920..4318, 3925..4278		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81791	Strand	-
Start	5826	End	6347
Name	OJ000308_06.0328.C7.o2.gp	Method	AAT/GAP
Start	5826	End	6347
GI	uC-osflM202048c12b1	Score	812
Exons	5826..6347		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81792	Strand	-
Start	7123	End	7534
Name	OJ000308_06.0328.C7.o2.ts	Method	TBLASTX:Soybean
Start	7123	End	7534
GI	none	Score	99
Exons	7123..7251, 7124..7441, 7128..7232, 7129..7440, 7454..7534		

Seq. No.	39583	Seq. ID	OJ000308_06.0328.C7
Gene No.	81792	Strand	-
Start	7123	End	7534
Name	OJ000308_06.0328.C7.o4.tw	Method	TBLASTX:Wheat
Start	7123	End	7444
GI	none	Score	343
Exons	7123..7443, 7124..7444		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81793	Strand	-
Start	4847	End	5277
Name	OJ000308_06.0328.C8.o5.tw	Method	TBLASTX:Wheat
Start	966	End	1373
GI	none	Score	63
Exons	966..1115, 966..1112, 1155..1373, 1159..1359		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81793	Strand	-
Start	4847	End	5277
Name	OJ000308_06.0328.C8.o2.tc	Method	TBLASTX:Cress
Start	4524	End	4997
GI	none	Score	97
Exons	4524..4592, 4797..4997, 4903..4992		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81793	Strand	-
Start	4847	End	5277
Name	OJ000308_06.0328.C8.o1.gp	Method	AAT/GAP
Start	4847	End	5277

GI uC-osflcyp034f01b1 Score 853
 Exons 4847..5277
 GI Descrip. '1732406 3.0e-11 (U81157) S25-XP1 DNA binding protein [Nicotiana tabacum]'

Seq. No. 39584 Seq. ID OJ000308_06.0328.C8
 Gene No. 81794 Strand
 Start 21222 End 21733
 Name OJ000308_06.0328.C8.o4.tw Method TBLASTX:Wheat
 Start 21222 End 21581
 GI none Score 56
 Exons 21222..21275, 21238..21276, 21287..21466, 21288..21446, 21426..21581, 21447..21575

Seq. No. 39584 Seq. ID OJ000308_06.0328.C8
 Gene No. 81794 Strand
 Start 21222 End 21733
 Name OJ000308_06.0328.C8.o1.tm Method TBLASTX:Maize
 Start 21420 End 21733
 GI none Score 353
 Exons 21420..21731, 21426..21728, 21428..21733

Seq. No. 39584 Seq. ID OJ000308_06.0328.C8
 Gene No. 81795 Strand
 Start 22300 End 22621
 Name OJ000308_06.0328.C8.o3.tm Method TBLASTX:Maize
 Start 22300 End 22621
 GI none Score 88
 Exons 22300..22350, 22302..22352, 22303..22353, 22342..22536, 22343..22543, 22422..22586, 22558..22602, 22559..22621

Seq. No. 39584 Seq. ID OJ000308_06.0328.C8
 Gene No. 81796 Strand
 Start 22855 End 23698
 Name OJ000308_06.0328.C8.o5.tm Method TBLASTX:Maize
 Start 22855 End 23292
 GI none Score 165
 Exons 22855..23037, 22856..23065, 23125..23292

Seq. No. 39584 Seq. ID OJ000308_06.0328.C8
 Gene No. 81796 Strand
 Start 22855 End 23698
 Name OJ000308_06.0328.C8.o3.ts Method TBLASTX:Soybean
 Start 22895 End 23292
 GI none Score 139
 Exons 22895..23065, 22903..23061, 23119..23292, 23121..23159

Seq. No. 39584 Seq. ID OJ000308_06.0328.C8
 Gene No. 81796 Strand
 Start 22855 End 23698
 Name OJ000308_06.0328.C8.o1.tw Method TBLASTX:Wheat
 Start 22943 End 23698
 GI none Score 189
 Exons 22943..23071, 22951..23067, 23050..23418, 23064..23255, 23064..23444, 23065..23451, 23463..23678, 23466..23672, 23489..23698, 23539..23697

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o1.ts	Method	TBLASTX:Soybean
Start	23624	End	24082
GI	5509260	Score	343
Exons	23624..24082, 23713..23931, 23894..24061, 24004..24063		
GI Descrip.	-		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o1.tc	Method	TBLASTX:Cress
Start	23711	End	23971
GI	none	Score	273
Exons	23711..23971, 23713..23883		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o2.tm	Method	TBLASTX:Maize
Start	23752	End	24199
GI	none	Score	328
Exons	23752..23934, 23753..24199, 23888..24070		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o3.tw	Method	TBLASTX:Wheat
Start	23753	End	24298
GI	none	Score	293
Exons	23753..24097, 23900..24073, 24092..24298, 24167..24268		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o2.ts	Method	TBLASTX:Soybean
Start	24151	End	24496
GI	none	Score	276
Exons	24151..24351, 24152..24496		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o4.tm	Method	TBLASTX:Maize
Start	24307	End	24646
GI	none	Score	315
Exons	24307..24645, 24308..24646		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o2.tw	Method	TBLASTX:Wheat
Start	24502	End	24976
GI	none	Score	101
Exons	24502..24573, 24503..24577, 24591..24899, 24592..24945, 24592..24972, 24593..24976		

Seq. No.	39584	Seq. ID	OJ000308_06.0328.C8
Gene No.	81797	Strand	
Start	23624	End	24976
Name	OJ000308_06.0328.C8.o4.ts	Method	TBLASTX:Soybean
Start	24509	End	24850
GI	none	Score	95
Exons	24509..24622, 24535..24615, 24641..24850, 24641..24829		
Seq. No.	39585	Seq. ID	OJ000308_06.0328.C9
Gene No.	81798	Strand	-
Start	864	End	2895
Name	OJ000308_06.0328.C9.o1.gp	Method	AAT/GAP
Start	864	End	2895
GI	1078_1.R1084	Score	620
Exons	864..971, 1060..1175, 1958..2086, 2840..2895		
GI Descrip.	'2708745 0.0e+00 (AC003952) putative calcium-dependent ser/thr protein kinase [Arabidopsis thaliana]'		
Seq. No.	39585	Seq. ID	OJ000308_06.0328.C9
Gene No.	81798	Strand	-
Start	864	End	2895
Name	OJ000308_06.0328.C9.o1.tc	Method	TBLASTX:Cress
Start	864	End	1174
GI	none	Score	92
Exons	864..971, 865..978, 1042..1173, 1064..1174		
Seq. No.	39585	Seq. ID	OJ000308_06.0328.C9
Gene No.	81798	Strand	-
Start	864	End	2895
Name	OJ000308_06.0328.C9.o1.tm	Method	TBLASTX:Maize
Start	867	End	2085
GI	none	Score	147
Exons	867..971, 1042..1176, 1059..1181, 1061..1174, 1959..2084, 1963..2085		
Seq. No.	39585	Seq. ID	OJ000308_06.0328.C9
Gene No.	81798	Strand	-
Start	864	End	2895
Name	OJ000308_06.0328.C9.o1.ts	Method	TBLASTX:Soybean
Start	1948	End	2088
GI	none	Score	135
Exons	1948..2088, 1951..2085, 1953..2087		
Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81799	Strand	+
Start	5233	End	9836
Name	OJ000208_08.0321.C3.o1.np	Method	AAT/NAP
Start	5233	End	9607
GI	4680183	Score	4692
Exons	5233..7712, 8208..8250, 8338..8760, 9495..9607		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81799	Strand	+
Start	5233	End	9836
Name	OJ000208_08.0321.C3.o2.gs	Method	GENSCAN

Start	5233	End	9836
GI	none	Score	.83
Exons	5233..5588, 5621..8164, 8261..9836		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81799	Strand	+
Start	5233	End	9836
Name	OJ000208_08.0321.C3.o2.np	Method	AAT/NAP
Start	8853	End	9668
GI	4680180	Score	1361
Exons	8853..9668		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81800	Strand	-
Start	7741	End	9791
Name	OJ000208_08.0321.C3.o3.np	Method	AAT/NAP
Start	7741	End	9791
GI	5902448	Score	126
Exons	7741..7854, 9677..9791		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o5.tw	Method	TBLASTX:Wheat
Start	6533	End	6935
GI	none	Score	293
Exons	6533..6802, 6534..6935		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o3.tw	Method	TBLASTX:Wheat
Start	7512	End	8189
GI	none	Score	143
Exons	7512..7688, 7733..7969, 7737..7967, 8073..8189		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o1.tw	Method	TBLASTX:Wheat
Start	8189	End	8645
GI	none	Score	471
Exons	8189..8644, 8190..8645		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o2.ts	Method	TBLASTX:Soybean
Start	8238	End	8594
GI	none	Score	130
Exons	8238..8453, 8460..8594		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577

Name	OJ000208_08.0321.C3.o2.tm	Method	TBLASTX:Maize
Start	8319	End	8675
GI	none	Score	362
Exons	8319..8675, 8360..8665		
Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o2.tw	Method	TBLASTX:Wheat
Start	8760	End	9184
GI	none	Score	445
Exons	8760..9179, 8804..9184, 8825..9184		
Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o1.ts	Method	TBLASTX:Soybean
Start	8808	End	9239
GI	none	Score	315
Exons	8808..9239, 8855..8998, 9035..9205		
Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o1.tm	Method	TBLASTX:Maize
Start	8906	End	9350
GI	none	Score	276
Exons	8906..9160, 8907..9161, 9182..9313, 9183..9326, 9324..9350		
Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o4.tw	Method	TBLASTX:Wheat
Start	9188	End	9500
GI	none	Score	309
Exons	9188..9265, 9189..9500, 9308..9487, 9324..9497		
Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o3.gs	Method	GENSCAN
Start	11439	End	12782
GI	none	Score	1
Exons	11439..12782		
Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o4.np	Method	AAT/NAP
Start	11442	End	13577
GI	7487691	Score	981
Exons	11442..12660, 13429..13577		
GI Descrip.	hypothetical protein T5I7.1 - Arabidopsis thaliana gi 2642153 gb AAB87120.1 (AC003000) unknown protein [Arabidopsis thaliana]		
Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3

Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o3.tm	Method	TBLASTX:Maize
Start	11451	End	11813
GI	none	Score	190
Exons	11451..11609, 11452..11610, 11643..11726, 11652..11681, 11712..11813, 11740..11805		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o1.tc	Method	TBLASTX:Cress
Start	11475	End	12647
GI	none	Score	73
Exons	11475..11651, 11721..11792, 11826..12032, 11878..12021, 12120..12194, 12399..12518, 12513..12647, 12514..12621		

Seq. No.	39586	Seq. ID	OJ000208_08.0321.C3
Gene No.	81801	Strand	-
Start	11439	End	13577
Name	OJ000208_08.0321.C3.o4.tm	Method	TBLASTX:Maize
Start	11826	End	12006
GI	none	Score	181
Exons	11826..12005, 11869..12006		

Seq. No.	39587	Seq. ID	OJ000208_08.0321.C4
Gene No.	81802	Strand	-
Start	35	End	1828
Name	OJ000208_08.0321.C4.o1.gs	Method	GENSCAN
Start	35	End	1828
GI	none	Score	.42
Exons	35..258, 264..464, 1222..1313, 1762..1828		

Seq. No.	39588	Seq. ID	OJ000208_08.0321.C5
Gene No.	81803	Strand	+
Start	1	End	2066
Name	OJ000208_08.0321.C5.o1.np	Method	AAT/NAP
Start	1	End	2063
GI	5922620	Score	462
Exons	1..83, 271..447, 484..556, 1921..2063		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39588	Seq. ID	OJ000208_08.0321.C5
Gene No.	81803	Strand	+
Start	1	End	2066
Name	OJ000208_08.0321.C5.o1.gs	Method	GENSCAN
Start	342	End	2066
GI	none	Score	.52
Exons	342..567, 1116..1285, 1741..1912, 1942..2066		

Seq. No.	39588	Seq. ID	OJ000208_08.0321.C5
Gene No.	81804	Strand	+
Start	2326	End	2665

Name	OJ000208_08.0321.C5.o2.gs	Method	GENSCAN
Start	2326	End	2665
GI	none	Score	.69
Exons	2326..2385, 2419..2513, 2641..2665		
Seq. No.	39588	Seq. ID	OJ000208_08.0321.C5
Gene No.	81805	Strand	-
Start	2202	End	2285
Name	OJ000208_08.0321.C5.o2.np	Method	AAT/NAP
Start	2202	End	2285
GI	6630699	Score	87
Exons	2202..2285		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81806	Strand	+
Start	460	End	891
Name	OJ000208_08.0321.C6.o1.gs	Method	GENSCAN
Start	460	End	891
GI	none	Score	.64
Exons	460..499, 701..891		
Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81807	Strand	+
Start	9247	End	12312
Name	OJ000208_08.0321.C6.o3.gp	Method	AAT/GAP
Start	9247	End	11298
GI	none	Score	891
Exons	9247..9486, 9651..9796, 10362..10412, 11222..11298		
Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81807	Strand	+
Start	9247	End	12312
Name	OJ000208_08.0321.C6.o2.np	Method	AAT/NAP
Start	9401	End	12255
GI	6478927	Score	938
Exons	9401..9558, 9648..9796, 10362..10412, 11222..11443, 11535..11637, 11766..12255		
GI Descrip.	(AC011436) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81807	Strand	+
Start	9247	End	12312
Name	OJ000208_08.0321.C6.o4.gs	Method	GENSCAN
Start	9401	End	12312
GI	none	Score	.78
Exons	9401..9486, 9594..9796, 10362..10412, 11222..11443, 11535..11637, 11766..12312		
Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81808	Strand	+
Start	14820	End	15236
Name	OJ000208_08.0321.C6.o5.gp	Method	AAT/GAP
Start	14820	End	15236
GI	3761922	Score	791

Exons 14820..15236

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81809	Strand	-
Start	3107	End	3946
Name	OJ000208_08.0321.C6.o1.gp	Method	AAT/GAP
Start	2763	End	3274
GI	LIB3433-051-P1-K1-D6	Score	975
Exons	2763..3274		
GI Descrip.	'6015437/dbj AB008112.1 AB008112 6.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81809	Strand	-
Start	3107	End	3946
Name	OJ000208_08.0321.C6.o1.np	Method	AAT/NAP
Start	3024	End	3803
GI	7487694	Score	406
Exons	3024..3803		
GI Descrip.	hypothetical protein T5I7.2 - Arabidopsis thaliana gi 2642154 gb AAB87121.1 (AC003000) unknown protein [Arabidopsis thaliana] gi 3790595 gb AAC69860.1 (AF079186) RING-H2 finger protein RHC2a [Arabidopsis thaliana]		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81809	Strand	-
Start	3107	End	3946
Name	OJ000208_08.0321.C6.o2.gs	Method	GENSCAN
Start	3107	End	3946
GI	none	Score	.99
Exons	3107..3946		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81810	Strand	-
Start	8490	End	8976
Name	OJ000208_08.0321.C6.o2.gp	Method	AAT/GAP
Start	8490	End	8976
GI	none	Score	718
Exons	8490..8555, 8664..8976		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o1.tm	Method	TBLASTX:Maize
Start	2760	End	3572
GI	none	Score	44
Exons	2760..2783, 2834..2881, 2991..3050, 2993..3052, 2996..3052, 3054..3119, 3063..3122, 3129..3572, 3129..3305, 3155..3571		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o1.tc	Method	TBLASTX:Cress
Start	3209	End	3928
GI	none	Score	37
Exons	3209..3253, 3264..3299, 3269..3301, 3294..3368, 3353..3373, 3410..3559, 3426..3560, 3629..3745, 3755..3790, 3839..3880,		

3890..3928

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o2.ts	Method	TBLASTX:Soybean
Start	3410	End	3965
GI	none	Score	160
Exons	3410..3544, 3420..3545, 3437..3550, 3626..3751, 3641..3745, 3761..3790, 3839..3877, 3843..3878, 3890..3952, 3897..3965		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o1.ts	Method	TBLASTX:Soybean
Start	9696	End	12177
GI	none	Score	102
Exons	9696..9803, 9700..9801, 10352..10435, 11220..11444, 11221..11442, 11494..11640, 11531..11638, 11538..11645, 11763..11885, 11764..11877, 11764..11931, 11957..12121, 11980..12126, 11995..12138, 12150..12176, 12151..12177		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o2.tm	Method	TBLASTX:Maize
Start	10357	End	12327
GI	none	Score	82
Exons	10357..10410, 10358..10435, 11220..11444, 11226..11441, 11530..11640, 11531..11638, 11764..11940, 11764..12270, 11765..12271, 12271..12327		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o4.gp	Method	AAT/GAP
Start	12060	End	12724
GI	85860_1.R1084	Score	910
Exons	12060..12581, 12612..12724		
GI Descrip.	'1363492/pir S55344 9.0e-16 outer envelope membrane protein OEP75 precursor - garden pea >gi_576507 (L36858) outer membrane protein [Pisum sativum] >gi_633607_emb_CAA58720_(X83767) chloroplastic outer envelope membrane protein (OEP75) [Pisum sativum]'		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o3.np	Method	AAT/NAP
Start	12077	End	14163
GI	5734776	Score	571
Exons	12077..12206, 12912..13768, 13982..14163		
GI Descrip.	(AC007980) 53021 [Arabidopsis thaliana]		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555

Name OJ000208_08.0321.C6.o5.gs
 Start 12908
 GI none
 Exons 12908..14350, 15381..15545

Method GENSCAN
 End 15545
 Score .88

Seq. No. 39589
 Gene No. 81811
 Start 12060
 Name OJ000208_08.0321.C6.o2.tc
 Start 13100
 GI none
 Exons 13100..13492, 13104..13499, 13730..13873

Seq. ID OJ000208_08.0321.C6
 Strand -
 End 15555
 Method TBLASTX:Cress
 End 13873
 Score 188

Seq. No. 39589
 Gene No. 81811
 Start 12060
 Name OJ000208_08.0321.C6.o3.ts
 Start 13133
 GI none
 Exons 13133..13471, 13134..13475, 13754..13873, 13859..14047

Seq. ID OJ000208_08.0321.C6
 Strand -
 End 15555
 Method TBLASTX:Soybean
 End 14047
 Score 131

Seq. No. 39589
 Gene No. 81811
 Start 12060
 Name OJ000208_08.0321.C6.o3.tm
 Start 13182
 GI none
 Exons 13182..13346, 13187..13471, 13188..13475, 13739..13867

Seq. ID OJ000208_08.0321.C6
 Strand -
 End 15555
 Method TBLASTX:Maize
 End 13867
 Score 352

Seq. No. 39589
 Gene No. 81811
 Start 12060
 Name OJ000208_08.0321.C6.o1.tw
 Start 13227
 GI none
 Exons 13227..13538, 13232..13666

Seq. ID OJ000208_08.0321.C6
 Strand -
 End 15555
 Method TBLASTX:Wheat
 End 13666
 Score 129

Seq. No. 39589
 Gene No. 81811
 Start 12060
 Name OJ000208_08.0321.C6.o6.gp
 Start 15246
 GI 2796820
 Exons 15246..15475
 GI Descrip. 1363492/pir||S55344 9.0e-16 outer envelope membrane protein OEP75 precursor - garden pea >gi_576507 (L36858) outer membrane protein [Pisum sativum] >gi_633607_emb_CAA58720_ (X83767) chloroplastic outer envelope membrane protein (OEP75) [Pisum sativum]

Seq. ID OJ000208_08.0321.C6
 Strand -
 End 15555
 Method AAT/GAP
 End 15475
 Score 427

Seq. No. 39589
 Gene No. 81811
 Start 12060
 Name OJ000208_08.0321.C6.o4.tm
 Start 15252
 GI none
 Exons 15252..15554, 15286..15546, 15306..15548, 15433..15555

Seq. ID OJ000208_08.0321.C6
 Strand -
 End 15555
 Method TBLASTX:Maize
 End 15555
 Score 283

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o4.ts	Method	TBLASTX:Soybean
Start	15304	End	15431
GI	none	Score	98
Exons	15304..15429, 15306..15431, 15307..15393		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o4.np	Method	AAT/NAP
Start	15309	End	15545
GI	1363492	Score	308
Exons	15309..15545		
GI Descrip.	outer envelope membrane protein OEP75 precursor - garden pea gi 576507 gb AAA53275.1 (L36858) outer membrane protein [Pisum sativum] gi 633607 emb CAA58720.1 (X83767) chloroplastic outer envelope membrane protein (OEP75) [Pisum sativum]		

Seq. No.	39589	Seq. ID	OJ000208_08.0321.C6
Gene No.	81811	Strand	-
Start	12060	End	15555
Name	OJ000208_08.0321.C6.o3.tc	Method	TBLASTX:Cress
Start	15339	End	15548
GI	none	Score	110
Exons	15339..15359, 15400..15519, 15402..15548, 15439..15546		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81812	Strand	+
Start	3341	End	3745
Name	OJ000208_08.0321.C7.o3.gp	Method	AAT/GAP
Start	3341	End	3745
GI	LIB3431-021-P1-N1-D10	Score	778
Exons	3341..3745		
GI Descrip.	'4336608/gb AAD17855 1.0e-20 (AF099111) sigma factor; Sig2 [Zea mays]'		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81813	Strand	+
Start	5757	End	6690
Name	OJ000208_08.0321.C7.o3.np	Method	AAT/NAP
Start	5757	End	6690
GI	5777617	Score	95
Exons	5757..5844, 6473..6690		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o1.gs	Method	GENSCAN
Start	842	End	6293
GI	none	Score	.49
Exons	842..949, 1116..1286, 1707..1862, 1941..2997, 3564..3853, 3956..4153, 4528..4668, 4836..5018, 5406..5945, 6075..6293		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o1.np	Method	AAT/NAP
Start	842	End	2951
GI	7487986	Score	1416
Exons	842..949, 1065..1286, 1707..2721, 2767..2951		
GI Descrip.	outer envelope membrane protein homolog T6H20.230 - Arabidopsis thaliana gi 5541685 emb CAB51191.1 (AL096859) chloroplast import-associated channel homolog [Arabidopsis thaliana]		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o1.gp	Method	AAT/GAP
Start	1833	End	2076
GI	4878433	Score	468
Exons	1833..2076		
GI Descrip.	5541685/emb CAB51191.1 4.0e-24 (AL096859) chloroplast import-associated channel homolog [Arabidopsis thaliana]		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o2.gp	Method	AAT/GAP
Start	2586	End	2912
GI	3761923	Score	597
Exons	2586..2912		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o4.np	Method	AAT/NAP
Start	3400	End	8461
GI	7228446	Score	391
Exons	3400..3427, 6862..6947, 7628..8461		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o2.np	Method	AAT/NAP
Start	3563	End	6293
GI	4336608	Score	1634
Exons	3563..3853, 3956..4153, 4528..4668, 4755..4985, 5406..5959, 6119..6293		
GI Descrip.	(AF099111) sigma factor; Sig2 [Zea mays]		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o4.gp	Method	AAT/GAP
Start	7143	End	7271
GI	32447_1.R1084	Score	217
Exons	7143..7271		

GI Descrip. '4587550/gb|AAD25781.1|AC006577_17 6.0e-11 (AC006577) EST
gb_R64848 comes from this gene. [Arabidopsis thaliana]'

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o2.gs	Method	GENSCAN
Start	7679	End	8602
GI	none	Score	.95
Exons	7679..8602		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81814	Strand	-
Start	842	End	8742
Name	OJ000208_08.0321.C7.o5.gp	Method	AAT/GAP
Start	8451	End	8742
GI	none	Score	432
Exons	8451..8742		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o4.ts	Method	TBLASTX:Soybean
Start	825	End	1125
GI	none	Score	108
Exons	825..962, 842..949, 1065..1124, 1066..1125		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o1.tm	Method	TBLASTX:Maize
Start	901	End	2243
GI	none	Score	100
Exons	901..966, 901..948, 902..949, 903..950, 1063..1284, 1065..1283, 1065..1298, 1066..1284, 1633..2013, 1692..2243, 1961..2044, 2074..2241		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o1.ts	Method	TBLASTX:Soybean
Start	1127	End	1905
GI	none	Score	81
Exons	1127..1261, 1131..1289, 1131..1289, 1132..1293, 1177..1293, 1704..1904, 1705..1905		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o2.tc	Method	TBLASTX:Chrys
Start	1698	End	2174
GI	none	Score	112
Exons	1698..1787, 1747..1944, 1773..1931, 1917..2174, 1933..2010, 2074..2166		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-

Start	8644	End	8740
Name	OJ000208_08.0321.C7.o3.tm	Method	TBLASTX:Maize
Start	2271	End	2517
GI	none	Score	165
Exons	2271..2432, 2271..2456, 2275..2472, 2445..2516, 2446..2517		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o3.tc	Method	TBLASTX:Cress
Start	2274	End	2522
GI	none	Score	65
Exons	2274..2339, 2281..2343, 2367..2522, 2368..2508		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o1.tc	Method	TBLASTX:Cress
Start	3581	End	4992
GI	none	Score	144
Exons	3581..3853, 3588..3746, 3932..4168, 4528..4677, 4529..4672, 4746..4988, 4762..4992		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o2.ts	Method	TBLASTX:Soybean
Start	3581	End	3853
GI	none	Score	144
Exons	3581..3853, 3588..3746		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o6.tm	Method	TBLASTX:Maize
Start	3956	End	4153
GI	none	Score	147
Exons	3956..4153, 3960..4082		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o2.tm	Method	TBLASTX:Maize
Start	4537	End	5477
GI	none	Score	199
Exons	4537..4677, 4538..4669, 4542..4670, 4543..4686, 4753..4986, 4755..4997, 4755..4988, 5404..5475, 5406..5477, 5406..5477		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o3.ts	Method	TBLASTX:Soybean
Start	4761	End	4994
GI	none	Score	107
Exons	4761..4931, 4762..4929, 4950..4994, 4954..4986		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
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Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o5.tm	Method	TBLASTX:Maize
Start	8000	End	8318
GI	none	Score	184
Exons	8000..8071, 8015..8287, 8028..8180, 8053..8181, 8126..8317, 8151..8318		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o4.tm	Method	TBLASTX:Maize
Start	8324	End	8551
GI	none	Score	195
Exons	8324..8545, 8325..8546, 8330..8551, 8374..8550		

Seq. No.	39590	Seq. ID	OJ000208_08.0321.C7
Gene No.	81815	Strand	-
Start	8644	End	8740
Name	OJ000208_08.0321.C7.o6.gp	Method	AAT/GAP
Start	8644	End	8740
GI	2428022	Score	170
Exons	8644..8740		

Seq. No.	39591	Seq. ID	OJ000208_08.0321.C8
Gene No.	81816	Strand	+
Start	1	End	1234
Name	OJ000208_08.0321.C8.o1.np	Method	AAT/NAP
Start	1	End	1234
GI	5295955	Score	97
Exons	1..54, 483..623, 1164..1234		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome. (V01555) [Oryza sativa]		

Seq. No.	39591	Seq. ID	OJ000208_08.0321.C8
Gene No.	81816	Strand	+
Start	1	End	1234
Name	OJ000208_08.0321.C8.o1.gs	Method	GENSCAN
Start	58	End	1218
GI	none	Score	.85
Exons	58..131, 176..287, 533..688, 1100..1218		

Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81817	Strand	+
Start	1272	End	3091
Name	OJ000208_08.0321.C10.o1.np	Method	AAT/NAP
Start	1272	End	3091
GI	7485086	Score	567
Exons	1272..1441, 2367..3091		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi 2245139 emb CAB10560.1 (Z97344) hypothetical protein [Arabidopsis thaliana] gi 7268533 emb CAB78783.1 (AL161547) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81817	Strand	+
Start	1272	End	3091

Name	OJ000208_08.0321.C10.o1.gp	Method	AAT/GAP
Start	2147	End	2467
GI	none	Score	568
Exons	2147..2467		
Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o1.tm	Method	TBLASTX:Maize
Start	2508	End	2837
GI	none	Score	283
Exons	2508..2684, 2510..2707, 2511..2699, 2685..2735, 2687..2836, 2688..2837		
Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o1.tc	Method	TBLASTX:Cress
Start	2510	End	2704
GI	none	Score	200
Exons	2510..2704, 2511..2696		
Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o1.ts	Method	TBLASTX:Soybean
Start	2511	End	2738
GI	none	Score	219
Exons	2511..2693, 2516..2692, 2694..2738		
Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o1.tw	Method	TBLASTX:Wheat
Start	2511	End	2738
GI	none	Score	204
Exons	2511..2714, 2511..2675, 2519..2680, 2694..2738		
Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o2.tm	Method	TBLASTX:Maize
Start	2838	End	3103
GI	none	Score	141
Exons	2838..2978, 2845..2892, 2880..2918, 2943..3044, 2975..3019, 3038..3103, 3039..3098		
Seq. No.	39592	Seq. ID	OJ000208_08.0321.C10
Gene No.	81818	Strand	-
Start	2871	End	3315
Name	OJ000208_08.0321.C10.o2.gp	Method	AAT/GAP
Start	2871	End	3315
GI	none	Score	850
Exons	2871..3315		
Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81819	Strand	+

Start	232	End	3292
Name	OJ000208_08.0321.C11.o1.gs	Method	GENSCAN
Start	232	End	3292
GI	none	Score	.63
Exons	232..400, 1344..1499, 1557..1641, 3069..3160, 3162..3292		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81820	Strand	+
Start	3747	End	4272
Name	OJ000208_08.0321.C11.o1.gp	Method	AAT/GAP
Start	3747	End	4272
GI	none	Score	1044
Exons	3747..4272		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81821	Strand	+
Start	4350	End	4930
Name	OJ000208_08.0321.C11.o2.gp	Method	AAT/GAP
Start	4350	End	4930
GI	none	Score	1074
Exons	4350..4930		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81822	Strand	+
Start	11163	End	13665
Name	OJ000208_08.0321.C11.o5.gs	Method	GENSCAN
Start	11163	End	13665
GI	none	Score	.59
Exons	11163..11195, 12564..12604, 12928..13318, 13336..13665		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81823	Strand	+
Start	17507	End	18461
Name	OJ000208_08.0321.C11.o7.gs	Method	GENSCAN
Start	17507	End	18461
GI	none	Score	.9
Exons	17507..17561, 17959..18461		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81824	Strand	+
Start	22505	End	24402
Name	OJ000208_08.0321.C11.o8.gp	Method	AAT/GAP
Start	22505	End	24402
GI	none	Score	799
Exons	22505..22609, 23129..23378, 24325..24402		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81825	Strand	+
Start	24304	End	26181
Name	OJ000208_08.0321.C11.o3.np	Method	AAT/NAP
Start	24304	End	25958
GI	6143886	Score	777
Exons	24304..24817, 24851..24952, 25085..25557, 25817..25958		
GI Descrip.	(AC010718) unknown protein [Arabidopsis thaliana]		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81825	Strand	+

Start	24304	End	26181
Name	OJ000208_08.0321.C11.o9.gp	Method	AAT/GAP
Start	24525	End	25274
GI	32624_1.R1084	Score	1352
Exons	24525..25274		
GI Descrip.	'2980788/emb CAA18164.1 2.0e-15 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81825	Strand	+
Start	24304	End	26181
Name	OJ000208_08.0321.C11.o10.gp	Method	AAT/GAP
Start	25474	End	26181
GI	uC-osroM202033d02a1	Score	946
Exons	25474..25528, 25752..26181		
GI Descrip.	'5541685/emb CAB51191.1 4.0e-24 (AL096859) chloroplast import-associated channel homolog [Arabidopsis thaliana]'		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81826	Strand	-
Start	4631	End	10474
Name	OJ000208_08.0321.C11.o2.gs	Method	GENSCAN
Start	4631	End	6342
GI	none	Score	.96
Exons	4631..5378, 5835..5954, 6043..6123, 6320..6342		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81826	Strand	-
Start	4631	End	10474
Name	OJ000208_08.0321.C11.o1.np	Method	AAT/NAP
Start	4634	End	9980
GI	3980411	Score	866
Exons	4634..4785, 4819..5385, 6211..7435, 7774..7814, 8074..8147, 8277..8390, 8842..9006, 9560..9685, 9809..9980		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81826	Strand	-
Start	4631	End	10474
Name	OJ000208_08.0321.C11.o3.gp	Method	AAT/GAP
Start	4986	End	5377
GI	none	Score	733
Exons	4986..5377		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81826	Strand	-
Start	4631	End	10474
Name	OJ000208_08.0321.C11.o4.gp	Method	AAT/GAP
Start	7198	End	8926
GI	none	Score	779
Exons	7198..7380, 8078..8175, 8316..8402, 8842..8926		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81826	Strand	-
Start	4631	End	10474
Name	OJ000208_08.0321.C11.o4.gs	Method	GENSCAN
Start	8059	End	10474

GI none Score .92
 Exons 8059..8175, 8316..8402, 8842..9009, 9563..9685, 9809..9898, 10003..10083, 10448..10474

Seq. No. 39593 Seq. ID OJ000208_08.0321.C11
 Gene No. 81826 Strand -
 Start 4631 End 10474
 Name OJ000208_08.0321.C11.o5.gp Method AAT/GAP
 Start 9587 End 10080
 GI uC-osf1M202123a10b1 Score 470
 Exons 9587..9685, 9809..9898, 10003..10080
 GI Descrip. '3980411 2.0e-33 (AC004561) putative proline-rich protein [Arabidopsis thaliana]'

Seq. No. 39593 Seq. ID OJ000208_08.0321.C11
 Gene No. 81827 Strand -
 Start 14708 End 16337
 Name OJ000208_08.0321.C11.o6.gs Method GENSCAN
 Start 14708 End 16120
 GI none Score .96
 Exons 14708..16120

Seq. No. 39593 Seq. ID OJ000208_08.0321.C11
 Gene No. 81827 Strand -
 Start 14708 End 16337
 Name OJ000208_08.0321.C11.o6.gp Method AAT/GAP
 Start 15981 End 16337
 GI 700437 Score 557
 Exons 15981..16337

Seq. No. 39593 Seq. ID OJ000208_08.0321.C11
 Gene No. 81828 Strand -
 Start 20386 End 21619
 Name OJ000208_08.0321.C11.o8.gs Method GENSCAN
 Start 20386 End 21619
 GI none Score .59
 Exons 20386..20526, 21485..21619

Seq. No. 39593 Seq. ID OJ000208_08.0321.C11
 Gene No. 81829 Strand -
 Start 30039 End 30665
 Name OJ000208_08.0321.C11.o4.np Method AAT/NAP
 Start 30039 End 30665
 GI 6721559 Score 234
 Exons 30039..30665
 GI Descrip. (AP001073) hypothetical protein [Oryza sativa]
 gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. No. 39593 Seq. ID OJ000208_08.0321.C11
 Gene No. 81830 Strand -
 Start 30931 End 31941
 Name OJ000208_08.0321.C11.o3.tm Method TBLASTX:Maize
 Start 4385 End 5046
 GI none Score 36
 Exons 4385..4408, 4409..4492, 4412..4498, 4505..4543, 4510..4542, 4548..4574, 4597..4923, 4625..4846, 4960..5034, 4963..5046

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81830	Strand	-
Start	30931	End	31941
Name	OJ000208_08.0321.C11.o4.tm	Method	TBLASTX:Maize
Start	5063	End	6662
GI	none	Score	93
Exons	5063..5164, 5064..5174, 5066..5179, 5091..5180, 5164..5379, 5177..5380, 5178..5303, 5179..5379, 5869..5955, 5882..5956, 5883..5957, 6042..6092, 6047..6091, 6227..6304, 6284..6358, 6422..6445, 6450..6530, 6458..6541, 6645..6662		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81830	Strand	-
Start	30931	End	31941
Name	OJ000208_08.0321.C11.o2.tw	Method	TBLASTX:Wheat
Start	8070	End	8975
GI	none	Score	55
Exons	8070..8138, 8077..8172, 8127..8180, 8358..8405, 8841..8891, 8842..8973, 8843..8974, 8931..8975		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81830	Strand	-
Start	30931	End	31941
Name	OJ000208_08.0321.C11.o2.tc	Method	TBLASTX:Cress
Start	8917	End	10023
GI	none	Score	82
Exons	8917..9003, 8921..9025, 9560..9685, 9561..9686, 9821..9910, 9825..9911, 10003..10023		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81830	Strand	-
Start	30931	End	31941
Name	OJ000208_08.0321.C11.o1.tw	Method	TBLASTX:Wheat
Start	14753	End	15097
GI	none	Score	146
Exons	14753..14893, 14753..15097, 14769..15089		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81830	Strand	-
Start	30931	End	31941
Name	OJ000208_08.0321.C11.o2.tm	Method	TBLASTX:Maize
Start	15311	End	15691
GI	none	Score	287
Exons	15311..15691, 15312..15599, 15626..15679		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81830	Strand	-
Start	30931	End	31941
Name	OJ000208_08.0321.C11.o2.ts	Method	TBLASTX:Soybean
Start	24322	End	24593
GI	none	Score	150
Exons	24322..24474, 24330..24422, 24468..24587, 24492..24593		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81830	Strand	-
Start	30931	End	31941

Name	OJ000208_08.0321.C11.o1.ts	Method	TBLASTX:Soybean
Start	24610	End	25383
GI	none	Score	258
Exons	24610..24756, 24616..24810, 24633..24821, 24788..24820, 25060..25212, 25234..25266, 25267..25383		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81830	Strand	-
Start	30931	End	31941
Name	OJ000208_08.0321.C11.o1.tc	Method	TBLASTX:Cress
Start	24643	End	25395
GI	none	Score	245
Exons	24643..24816, 25237..25266, 25260..25364, 25267..25395, 25269..25388		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81830	Strand	-
Start	30931	End	31941
Name	OJ000208_08.0321.C11.o1.tm	Method	TBLASTX:Maize
Start	24724	End	25194
GI	none	Score	203
Exons	24724..24864, 24729..25046, 24730..25026, 24759..25046, 24931..25047, 24963..25034, 24973..25032, 25024..25113, 25026..25112, 25044..25193, 25054..25194		

Seq. No.	39593	Seq. ID	OJ000208_08.0321.C11
Gene No.	81830	Strand	-
Start	30931	End	31941
Name	OJ000208_08.0321.C11.o5.np	Method	AAT/NAP
Start	30931	End	31941
GI	7340881	Score	123
Exons	30931..30973, 31079..31258, 31896..31941		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39594	Seq. ID	OJ000208_08.0321.C13
Gene No.	81831	Strand	-
Start	1	End	1483
Name	OJ000208_08.0321.C13.o1.np	Method	AAT/NAP
Start	1	End	1483
GI	6630685	Score	1610
Exons	1..615, 718..1483		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	39594	Seq. ID	OJ000208_08.0321.C13
Gene No.	81831	Strand	-
Start	1	End	1483
Name	OJ000208_08.0321.C13.o3.tm	Method	TBLASTX:Maize
Start	1	End	277
GI	none	Score	294
Exons	1..258, 2..277, 2..229, 3..257		

Seq. No.	39594	Seq. ID	OJ000208_08.0321.C13
Gene No.	81831	Strand	-
Start	1	End	1483
Name	OJ000208_08.0321.C13.o1.ts	Method	TBLASTX:Soybean
Start	3	End	584

GI 5509260 Score 78
Exons 3..209, 3..239, 4..240, 239..358, 255..359, 353..583, 365..583, 531..584
GI Descrip. -

Seq. No. 39594 Seq. ID OJ000208_08.0321.C13
Gene No. 81831 Strand -
Start 1 End 1483
Name OJ000208_08.0321.C13.o1.tw Method TBLASTX:Wheat
Start 4 End 458
GI none Score 155
Exons 4..240, 5..232, 6..257, 239..337, 240..335, 336..386, 338..367, 368..442, 369..458

Seq. No. 39594 Seq. ID OJ000208_08.0321.C13
Gene No. 81831 Strand -
Start 1 End 1483
Name OJ000208_08.0321.C13.o1.gs Method GENSCAN
Start 10 End 1446
GI none Score .6
Exons 10..168, 288..467, 677..1446

Seq. No. 39594 Seq. ID OJ000208_08.0321.C13
Gene No. 81831 Strand -
Start 1 End 1483
Name OJ000208_08.0321.C13.o2.tm Method TBLASTX:Maize
Start 291 End 610
GI none Score 319
Exons 291..608, 293..610, 293..586

Seq. No. 39594 Seq. ID OJ000208_08.0321.C13
Gene No. 81831 Strand -
Start 1 End 1483
Name OJ000208_08.0321.C13.o3.tw Method TBLASTX:Wheat
Start 874 End 1194
GI none Score 88
Exons 874..939, 940..1080, 955..1104, 968..1117, 1123..1194

Seq. No. 39594 Seq. ID OJ000208_08.0321.C13
Gene No. 81831 Strand -
Start 1 End 1483
Name OJ000208_08.0321.C13.o1.tm Method TBLASTX:Maize
Start 925 End 1480
GI none Score 279
Exons 925..1422, 931..1431, 968..1432, 1430..1480

Seq. No. 39594 Seq. ID OJ000208_08.0321.C13
Gene No. 81831 Strand -
Start 1 End 1483
Name OJ000208_08.0321.C13.o2.ts Method TBLASTX:Soybean
Start 976 End 1422
GI none Score 38
Exons 976..1077, 1126..1422, 1133..1201, 1232..1354

Seq. No. 39594 Seq. ID OJ000208_08.0321.C13
Gene No. 81831 Strand -
Start 1 End 1483

Name	OJ000208_08.0321.C13.o2.tw	Method	TBLASTX:Wheat
Start	1213	End	1378
GI	none	Score	90
Exons	1213..1356, 1213..1377, 1229..1378		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o1.np	Method	AAT/NAP
Start	1	End	630
GI	7489803	Score	742
Exons	1..630		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi 3645899 gb AAC49502.1 (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	218
GI	none	Score	62
Exons	1..87, 2..88, 70..216, 75..218		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o2.tm	Method	TBLASTX:Maize
Start	1	End	326
GI	none	Score	69
Exons	1..87, 14..82, 45..260, 52..252, 57..260, 258..326		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o1.gs	Method	GENSCAN
Start	194	End	1796
GI	none	Score	.53
Exons	194..304, 468..624, 1021..1427, 1483..1796		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o1.tm	Method	TBLASTX:Maize
Start	328	End	729
GI	none	Score	128
Exons	328..660, 329..517, 463..666, 545..670, 545..676, 662..724, 676..729, 676..726		

Seq. No.	39595	Seq. ID	OJ000208_08.0321.C14
Gene No.	81832	Strand	-
Start	1	End	1892
Name	OJ000208_08.0321.C14.o2.np	Method	AAT/NAP
Start	640	End	1892
GI	4416301	Score	97
Exons	640..804, 1808..1892		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	39596	Seq. ID	OJ000208_08.0321.C15
Gene No.	81833	Strand	+
Start	1	End	3766
Name	OJ000208_08.0321.C15.o2.np	Method	AAT/NAP
Start	1	End	3766
GI	5295955	Score	737
Exons	1..20, 1048..1168, 1711..1825, 2505..2648, 2882..3626, 3653..3766		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	39596	Seq. ID	OJ000208_08.0321.C15
Gene No.	81834	Strand	-
Start	1	End	2018
Name	OJ000208_08.0321.C15.o1.np	Method	AAT/NAP
Start	1	End	2018
GI	7489737	Score	466
Exons	1..785, 1957..2018		
GI Descrip.	gag protein homolog - maize retrotransposon Opie-2 gi 3645898 gb AAC49501.1 (U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	39596	Seq. ID	OJ000208_08.0321.C15
Gene No.	81835	Strand	-
Start	2672	End	3243
Name	OJ000208_08.0321.C15.o1.tm	Method	TBLASTX:Maize
Start	159	End	563
GI	none	Score	103
Exons	159..563, 273..524		

Seq. No.	39596	Seq. ID	OJ000208_08.0321.C15
Gene No.	81835	Strand	-
Start	2672	End	3243
Name	OJ000208_08.0321.C15.o2.gs	Method	GENSCAN
Start	2672	End	3243
GI	none	Score	.96
Exons	2672..3243		

Seq. No.	39597	Seq. ID	OJ000208_05.0322.C1
Gene No.	81836	Strand	+
Start	2485	End	2998
Name	OJ000208_05.0322.C1.o2.gs	Method	GENSCAN
Start	2485	End	2998
GI	none	Score	.61
Exons	2485..2629, 2823..2998		

Seq. No.	39597	Seq. ID	OJ000208_05.0322.C1
Gene No.	81837	Strand	-
Start	482	End	1716
Name	OJ000208_05.0322.C1.o1.gs	Method	GENSCAN
Start	482	End	1576
GI	none	Score	.43
Exons	482..1576		

Seq. No.	39597	Seq. ID	OJ000208_05.0322.C1
Gene No.	81837	Strand	-

Start	482	End	1716
Name	OJ000208_05.0322.C1.o1.np	Method	AAT/NAP
Start	485	End	1558
GI	4417304	Score	1133
Exons	485..1558		
GI Descrip.	(AC006446) putative N-acetylglucosaminyltransferase [Arabidopsis thaliana]		

Seq. No.	39597	Seq. ID	OJ000208_05.0322.C1
Gene No.	81837	Strand	-
Start	482	End	1716
Name	OJ000208_05.0322.C1.o1.tw	Method	TBLASTX:Wheat
Start	486	End	833
GI	none	Score	165
Exons	486..827, 488..811, 491..832, 504..833		

Seq. No.	39597	Seq. ID	OJ000208_05.0322.C1
Gene No.	81837	Strand	-
Start	482	End	1716
Name	OJ000208_05.0322.C1.o1.ts	Method	TBLASTX:Soybean
Start	491	End	1354
GI	none	Score	248
Exons	491..832, 492..800, 848..1084, 858..1085, 1130..1354, 1179..1346		

Seq. No.	39597	Seq. ID	OJ000208_05.0322.C1
Gene No.	81837	Strand	-
Start	482	End	1716
Name	OJ000208_05.0322.C1.o1.tm	Method	TBLASTX:Maize
Start	491	End	1460
GI	none	Score	225
Exons	491..832, 504..833, 848..1084, 849..1043, 1121..1453, 1123..1320, 1143..1460		

Seq. No.	39597	Seq. ID	OJ000208_05.0322.C1
Gene No.	81837	Strand	-
Start	482	End	1716
Name	OJ000208_05.0322.C1.o1.tc	Method	TBLASTX:Cress
Start	773	End	1243
GI	none	Score	50
Exons	773..835, 773..841, 848..1090, 858..1085, 1130..1148, 1148..1234		

Seq. No.	39597	Seq. ID	OJ000208_05.0322.C1
Gene No.	81837	Strand	-
Start	482	End	1716
Name	OJ000208_05.0322.C1.o1.gp	Method	AAT/NAP
Start	801		
GI	30842.1.R1084	Score	-
Exons	801..1716		
GI Descrip.	'4417304/gb AAD20428 2.0e-76 (AC006446) putative beta-1,4-mannosyl-glycoprotein beta-1,4-N-acetylglucosaminyltransferase [Arabidopsis thaliana]'		

Seq. No.	39598	Seq. ID	OJ000208_05.0322.C3
Gene No.	81838	Strand	-
Start	1337	End	2235
Name	OJ000208_05.0322.C3.o1.gs	Method	GENSCAN
Start	1337	End	2235

GI	none	Score	.9
Exons	1337..1477, 2180..2235		
Seq. No.	39599	Seq. ID	OJ000208_05.0322.C4
Gene No.	81839	Strand	+
Start	480	End	1622
Name	OJ000208_05.0322.C4.o1.gs	Method	GENSCAN
Start	480	End	1622
GI	none	Score	.91
Exons	480..531, 1400..1622		
Seq. No.	39599	Seq. ID	OJ000208_05.0322.C4
Gene No.	81839	Strand	+
Start	480	End	1622
Name	OJ000208_05.0322.C4.o1.tm	Method	TBLASTX:Maize
Start	1411	End	1616
GI	none	Score	112
Exons	1411..1596, 1412..1591, 1427..1615, 1428..1616		
Seq. No.	39599	Seq. ID	OJ000208_05.0322.C4
Gene No.	81839	Strand	+
Start	480	End	1622
Name	OJ000208_05.0322.C4.o1.tw	Method	TBLASTX:Wheat
Start	1413	End	1591
GI	none	Score	175
Exons	1413..1589, 1427..1591, 1513..1590		
Seq. No.	39599	Seq. ID	OJ000208_05.0322.C4
Gene No.	81839	Strand	+
Start	480	End	1622
Name	OJ000208_05.0322.C4.o1.np	Method	AAT/NAP
Start	1419	End	1619
GI	2281092	Score	202
Exons	1419..1619		
GI Descrip.	(AC002333) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	39599	Seq. ID	OJ000208_05.0322.C4
Gene No.	81839	Strand	+
Start	480	End	1622
Name	OJ000208_05.0322.C4.o1.ts	Method	TBLASTX:Soybean
Start	1428	End	1607
GI	none	Score	216
Exons	1428..1607, 1433..1597		
Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81840	Strand	+
Start	382	End	2097
Name	OJ000208_05.0322.C5.o1.gs	Method	GENSCAN
Start	382	End	2097
GI	none	Score	.65
Exons	382..401, 737..856, 2085..2097		
Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81841	Strand	+
Start	2780	End	3778
Name	OJ000208_05.0322.C5.o2.gs	Method	GENSCAN
Start	2780	End	3778

GI	none	Score	.87
Exons	2780..2947, 3009..3083, 3770..3778		
Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81842	Strand	+
Start	8676	End	12905
Name	OJ000208_05.0322.C5.o1.np	Method	AAT/NAP
Start	8676	End	12905
GI	7106512	Score	1306
Exons	8676..8736, 8810..9171, 9615..10693, 11261..11647, 12486..12614, 12695..12905		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81843	Strand	+
Start	14443	End	14633
Name	OJ000208_05.0322.C5.o2.np	Method	AAT/NAP
Start	14443	End	14633
GI	7106512	Score	78
Exons	14443..14503, 14577..14633		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81844	Strand	-
Start	4477	End	9134
Name	OJ000208_05.0322.C5.o3.gs	Method	GENSCAN
Start	4477	End	9134
GI	none	Score	.83
Exons	4477..4651, 5262..5550, 5741..5890, 6716..6757, 8749..8890, 8967..9134		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81844	Strand	-
Start	4477	End	9134
Name	OJ000208_05.0322.C5.o1.tc	Method	TBLASTX:Cress
Start	5267	End	5551
GI	none	Score	69
Exons	5267..5383, 5268..5378, 5387..5452, 5434..5550, 5435..5551		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81844	Strand	-
Start	4477	End	9134
Name	OJ000208_05.0322.C5.o1.ts	Method	TBLASTX:Soybean
Start	5267	End	5560
GI	none	Score	97
Exons	5267..5383, 5268..5378, 5297..5383, 5378..5437, 5388..5441, 5434..5490, 5434..5559, 5435..5560, 5441..5560		

Seq. No.	39600	Seq. ID	OJ000208_05.0322.C5
Gene No.	81844	Strand	-
Start	4477	End	9134
Name	OJ000208_05.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	5267	End	5426
GI	none	Score	155
Exons	5267..5383, 5268..5381, 5294..5383, 5388..5426		

Seq. No.	39601	Seq. ID	OJ000208_05.0322.C6
Gene No.	81845	Strand	+
Start	1787	End	3673
Name	OJ000208_05.0322.C6.o1.gp	Method	AAT/GAP
Start	1787	End	3673
GI	LIB3477-003-P1-K1-E9	Score	112
Exons	1787..1855, 3626..3673		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s i [Oryza sativa]'		

Seq. No.	39601	Seq. ID	OJ000208_05.0322.C6
Gene No.	81846	Strand	-
Start	4738	End	5855
Name	OJ000208_05.0322.C6.o1.np	Method	AAT/NAP
Start	4738	End	5855
GI	6006375	Score	1325
Exons	4738..5277, 5562..5855		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	39602	Seq. ID	OJ000208_05.0322.C10
Gene No.	81847	Strand	+
Start	3263	End	5217
Name	OJ000208_05.0322.C10.o1.np	Method	AAT/NAP
Start	3263	End	4953
GI	7486343	Score	614
Exons	3263..4366, 4494..4641, 4718..4953		
GI Descrip.	hypothetical protein F28P10.70 - Arabidopsis thaliana gi 4678298 emb CAB41089.1 (AL049655) putative protein [Arabidopsis thaliana]		

Seq. No.	39602	Seq. ID	OJ000208_05.0322.C10
Gene No.	81847	Strand	+
Start	3263	End	5217
Name	OJ000208_05.0322.C10.o1.gs	Method	GENSCAN
Start	3384	End	5031
GI	none	Score	.91
Exons	3384..4385, 4494..4556, 4657..5031		

Seq. No.	39602	Seq. ID	OJ000208_05.0322.C10
Gene No.	81847	Strand	+
Start	3263	End	5217
Name	OJ000208_05.0322.C10.o1.ts	Method	TBLASTX:Soybean
Start	3924	End	4256
GI	none	Score	177
Exons	3924..4067, 3929..4066, 4107..4130, 4169..4255, 4170..4256		

Seq. No.	39602	Seq. ID	OJ000208_05.0322.C10
Gene No.	81847	Strand	+
Start	3263	End	5217
Name	OJ000208_05.0322.C10.o1.tm	Method	TBLASTX:Maize
Start	4677	End	4890
GI	none	Score	271
Exons	4677..4757, 4681..4890, 4828..4890		

Seq. No.	39602	Seq. ID	OJ000208_05.0322.C10
Gene No.	81847	Strand	+
Start	3263	End	5217
Name	OJ000208_05.0322.C10.o1.gp	Method	AAT/GAP
Start	4820	End	5217
GI	none	Score	768
Exons	4820..5217		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o1.gp	Method	AAT/GAP
Start	2503	End	2927
GI	none	Score	835
Exons	2503..2927		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o1.gs	Method	GENSCAN
Start	2601	End	6591
GI	none	Score	.71
Exons	2601..2975, 3709..3836, 3938..4346, 4893..4991, 5479..5557, 5753..6163, 6518..6591		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o1.np	Method	AAT/NAP
Start	2886	End	5642
GI	7488180	Score	902
Exons	2886..2975, 3709..3822, 3906..4346, 4893..4994, 5095..5316, 5479..5642		

GI Descrip. probable RNA helicase F21E10.1 - Arabidopsis thaliana (fragment) gi|3047077|gb|AAC13590.1| (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o2.gp	Method	AAT/GAP
Start	3895	End	4988
GI	42621_1.R1084	Score	1051
Exons	3895..4346, 4893..4988		

GI Descrip. '3047077 2.0e-37 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o2.np	Method	AAT/NAP
Start	5811	End	6245
GI	1399945	Score	183
Exons	5811..6245		

GI Descrip. (U60194) RNA helicase GLH-2 [Caenorhabditis elegans] gi|1405387
(U60449) GLH-2 [Caenorhabditis elegans]

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81848	Strand	+
Start	2503	End	6646
Name	OJ000208_05.0322.C11.o3.gp	Method	AAT/GAP
Start	5874	End	6646
GI	none	Score	1489
Exons	5874..6646		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o1.tm	Method	TBLASTX:Maize
Start	2732	End	5138
GI	none	Score	77
Exons	2732..2755, 2733..2774, 2814..2846, 2874..2975, 2913..2975, 3681..3836, 3698..3829, 3706..3831, 3931..4320, 3934..4071, 3935..4348, 3939..4349, 4138..4353, 4892..4993, 4893..4991, 4897..4998, 5089..5136, 5091..5135, 5097..5138		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o1.tc	Method	TBLASTX:Cress
Start	3621	End	5636
GI	none	Score	88
Exons	3621..3791, 3646..3804, 3680..3793, 3706..3795, 3708..3800, 3932..3994, 3942..4022, 4023..4352, 4026..4349, 4031..4369, 4892..4996, 4893..4994, 5095..5319, 5097..5156, 5187..5321, 5454..5579, 5461..5592, 5577..5636		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o2.ts	Method	TBLASTX:Soybean
Start	3706	End	4325
GI	none	Score	105
Exons	3706..3834, 3942..4010, 4008..4247, 4038..4235, 4079..4246, 4254..4325, 4254..4325		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o1.tw	Method	TBLASTX:Wheat
Start	4014	End	4369
GI	none	Score	220
Exons	4014..4340, 4046..4369		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o1.ts	Method	TBLASTX:Soybean
Start	4892	End	5567
GI	none	Score	97
Exons	4892..4993, 4893..4988, 5073..5264, 5090..5266, 5091..5321,		

5092..5319, 5454..5567, 5461..5529, 5514..5555

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o2.tm	Method	TBLASTX:Maize
Start	5139	End	6247
GI	none	Score	212
Exons	5139..5327, 5140..5328, 5475..5570, 5478..5573, 5480..5578, 5598..5645, 5612..5644, 5770..5808, 5770..5829, 5858..5968, 5915..5953, 5936..6070, 5990..6073, 6029..6115, 6146..6175, 6152..6247		

Seq. No.	39603	Seq. ID	OJ000208_05.0322.C11
Gene No.	81849	Strand	-
Start	7986	End	8185
Name	OJ000208_05.0322.C11.o2.gs	Method	GENSCAN
Start	7986	End	8185
GI	none	Score	.75
Exons	7986..8185		

Seq. No.	39604	Seq. ID	OJ000208_05.0322.C12
Gene No.	81850	Strand	+
Start	78	End	245
Name	OJ000208_05.0322.C12.o1.gs	Method	GENSCAN
Start	78	End	245
GI	none	Score	.6
Exons	78..245		

Seq. No.	39605	Seq. ID	OJ000208_05.0322.C13
Gene No.	81851	Strand	+
Start	382	End	762
Name	OJ000208_05.0322.C13.o1.gs	Method	GENSCAN
Start	382	End	762
GI	none	Score	.69
Exons	382..522, 580..762		

Seq. No.	39606	Seq. ID	OJ000208_05.0322.C14
Gene No.	81852	Strand	+
Start	1	End	350
Name	OJ000208_05.0322.C14.o1.gp	Method	AAT/GAP
Start	1	End	350
GI	none	Score	700
Exons	1..350		

Seq. No.	39606	Seq. ID	OJ000208_05.0322.C14
Gene No.	81853	Strand	+
Start	661	End	2938
Name	OJ000208_05.0322.C14.o1.np	Method	AAT/NAP
Start	661	End	2938
GI	7487909	Score	622
Exons	661..981, 2118..2251, 2393..2938		
GI Descrip.	hypothetical protein YUP8H12R.35 - Arabidopsis thaliana gi 3152572 gb AAC17053.1 (AC002986) Contains homology to DNAJ heatshock protein gb U32803 from Haemophilus influenzae. [Arabidopsis thaliana]		

Seq. No.	39606	Seq. ID	OJ000208_05.0322.C14
Gene No.	81853	Strand	+
Start	661	End	2938
Name	OJ000208_05.0322.C14.o1.gs	Method	GENSCAN
Start	736	End	2912
GI	none	Score	.73
Exons	736..981, 2118..2247, 2389..2912		

Seq. No.	39606	Seq. ID	OJ000208_05.0322.C14
Gene No.	81853	Strand	+
Start	661	End	2938
Name	OJ000208_05.0322.C14.o1.tm	Method	TBLASTX:Maize
Start	2202	End	2850
GI	none	Score	89
Exons	2202..2249, 2202..2249, 2380..2631, 2386..2673, 2387..2677, 2388..2696, 2676..2849, 2678..2824, 2685..2849, 2686..2850		

Seq. No.	39607	Seq. ID	OJ000208_05.0322.C16
Gene No.	81854	Strand	+
Start	622	End	701
Name	OJ000208_05.0322.C16.o1.gs	Method	GENSCAN
Start	622	End	701
GI	none	Score	.76
Exons	622..701		

Seq. No.	39608	Seq. ID	OJ000208_05.0322.C17
Gene No.	81855	Strand	-
Start	161	End	813
Name	OJ000208_05.0322.C17.o1.gs	Method	GENSCAN
Start	161	End	813
GI	none	Score	.59
Exons	161..355, 694..813		

Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o1.gp	Method	AAT/GAP
Start	1058	End	2288
GI	42174_1.R1084	Score	1185
Exons	1058..1399, 1494..1751, 2212..2288		
GI Descrip.	'4455208/emb[CAB36531.1] 6.0e-13 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o1.gs	Method	GENSCAN
Start	1208	End	3782
GI	none	Score	.97
Exons	1208..1405, 1500..1751, 2212..2394, 2483..2707, 3203..3318, 3710..3782		

Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o2.gp	Method	AAT/GAP
Start	3060	End	3238

GI	426145	Score	140
Exons	3060..3121, 3203..3238		
Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o3.gp	Method	AAT/GAP
Start	3186	End	4035
GI	427566	Score	844
Exons	3186..3318, 3710..4035		
Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o1.np	Method	AAT/NAP
Start	3561	End	8695
GI	6069646	Score	126
Exons	3561..3577, 5521..5827, 8648..8695		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o1.tm	Method	TBLASTX:Maize
Start	6908	End	7192
GI	none	Score	70
Exons	6908..7003, 6911..6964, 7075..7191, 7085..7192		
Seq. No.	39609	Seq. ID	OJ000208_05.0322.C18
Gene No.	81856	Strand	-
Start	1208	End	8695
Name	OJ000208_05.0322.C18.o2.gs	Method	GENSCAN
Start	6911	End	8573
GI	none	Score	.81
Exons	6911..6964, 7090..7191, 7452..7578, 7831..8573		
Seq. No.	39610	Seq. ID	OJ000208_05.0322.C23
Gene No.	81857	Strand	+
Start	214	End	754
Name	OJ000208_05.0322.C23.o1.gp	Method	AAT/GAP
Start	214	End	754
GI	none	Score	379
Exons	214..249, 463..637, 718..754		
Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81858	Strand	-
Start	1746	End	3438
Name	OJ000208_05.0322.C24.o1.gs	Method	GENSCAN
Start	1746	End	3438
GI	none	Score	.99
Exons	1746..1877, 2755..3438		
Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24

Gene No.	81858	Strand	-
Start	1746	End	3438
Name	OJ000208_05.0322.C24.o1.np	Method	AAT/NAP
Start	1746	End	3077
GI	2829611	Score	343
Exons	1746..1873, 2385..2630, 2755..3077		
GI Descrip.	HEMK PROTEIN HOMOLOG gi 7470818 pir S75513 protoporphyrinogen oxidase - Synechocystis sp. (strain PCC 6803) gi 1653158 dbj BAA18074.1 (D90911) protoporphyrinogen oxidase [Synechocystis sp.]		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81859	Strand	-
Start	5123	End	7347
Name	OJ000208_05.0322.C24.o2.np	Method	AAT/NAP
Start	5120	End	6606
GI	7446500	Score	485
Exons	5120..6219, 6267..6606		
GI Descrip.	endoplasmic reticulum insertion protein F13P17.9 - Arabidopsis thaliana gi 3337356 gb AAC27401.1 (AC004481) putative protein transport protein SEC61 alpha subunit [Arabidopsis thaliana]		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81859	Strand	-
Start	5123	End	7347
Name	OJ000208_05.0322.C24.o2.gs	Method	GENSCAN
Start	5123	End	7347
GI	none	Score	.63
Exons	5123..5614, 5631..6189, 6233..6753, 7237..7347		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o3.gs	Method	GENSCAN
Start	8888	End	12372
GI	none	Score	.8
Exons	8888..9079, 9772..9897, 10014..10163, 10256..10361, 10492..10814, 10901..11035, 11864..12052, 12180..12372		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o1.tc	Method	TBLASTX:Cress
Start	9742	End	10613
GI	none	Score	122
Exons	9742..9909, 9764..9898, 10014..10157, 10014..10160, 10015..10158, 10244..10315, 10260..10283, 10494..10577, 10581..10613		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o1.tm	Method	TBLASTX:Maize
Start	9744	End	12604
GI	none	Score	199
Exons	9744..9809, 9751..9909, 9752..9898, 9986..10162, 10014..10166, 10014..10160, 10250..10369, 10257..10355, 10491..10712,		

10491..10757, 10492..10716, 10711..10815, 10713..10814,
 10863..11039, 10893..11039, 10894..11040, 10904..11059,
 10907..11044, 11651..11773, 11685..11771, 11696..11773,
 11858..12052, 11865..12053, 11988..12053, 12176..12376,
 12180..12380, 12181..12375, 12488..12604, 12489..12596

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o3.ts	Method	TBLASTX:Soybean
Start	9751	End	10118
GI	none	Score	95
Exons	9751..9909, 9758..9898, 10014..10118		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o3.np	Method	AAT/NAP
Start	9754	End	12625
GI	7487527	Score	1351
Exons	9754..9897, 10014..10162, 10249..10361, 10492..10820, 10901..11035, 11690..11770, 11864..12052, 12180..12372, 12489..12625		

GI Descrip. hypothetical protein T29F13.8 - Arabidopsis thaliana
 gi|2145356|emb|CAA72007.1| (Y11122) HD-Zip protein [Arabidopsis
 thaliana] gi|3132474|gb|AAC16263.1| (AC003096) homeodomain
 transcription factor (ATHB-14) [Arabidopsis thaliana]

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o1.tw	Method	TBLASTX:Wheat
Start	9880	End	10535
GI	none	Score	56
Exons	9880..9900, 10014..10157, 10256..10369, 10491..10535		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o1.ts	Method	TBLASTX:Soybean
Start	10119	End	11041
GI	none	Score	72
Exons	10119..10160, 10244..10369, 10255..10377, 10262..10363, 10491..10706, 10491..10712, 10660..10713, 10732..10815, 10740..10814, 10904..11041, 10911..11039		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o2.ts	Method	TBLASTX:Soybean
Start	11685	End	12604
GI	none	Score	61
Exons	11685..11771, 11687..11773, 11858..12052, 11865..12053, 11988..12053, 12176..12235, 12177..12380, 12187..12234, 12188..12235, 12252..12377, 12256..12378, 12488..12604, 12489..12596		

Seq. No.	39611	Seq. ID	OJ000208_05.0322.C24
Gene No.	81860	Strand	-
Start	8888	End	12625
Name	OJ000208_05.0322.C24.o2.tc	Method	TBLASTX:Cress
Start	11864	End	12372
GI	none	Score	191
Exons	11864..12052, 11865..12053, 12180..12221, 12252..12365, 12256..12369, 12256..12372		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.np	Method	AAT/NAP
Start	1	End	2496
GI	7487527	Score	911
Exons	1..78, 179..292, 372..467, 570..660, 748..863, 961..1120, 2417..2496		

GI Descrip. hypothetical protein T29F13.8 - Arabidopsis thaliana
gi|2145356|emb|CAA72007.1| (Y11122) HD-Zip protein [Arabidopsis thaliana] gi|3132474|gb|AAC16263.1| (AC003096) homeodomain transcription factor (ATHB-14) [Arabidopsis thaliana]

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.tm	Method	TBLASTX:Maize
Start	1	End	1123
GI	none	Score	101
Exons	1..81, 1..48, 2..79, 6..80, 165..293, 167..292, 173..295, 178..294, 352..468, 370..468, 371..469, 371..469, 570..653, 571..660, 571..660, 572..661, 572..661, 747..863, 748..864, 752..904, 753..884, 946..1086, 952..1122, 962..1123, 977..1123		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.tc	Method	TBLASTX:Cress
Start	1	End	470
GI	none	Score	58
Exons	1..81, 1..48, 2..79, 135..290, 167..292, 173..295, 178..294, 352..468, 369..467, 387..470		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.tw	Method	TBLASTX:Wheat
Start	1	End	431
GI	none	Score	94
Exons	1..81, 1..48, 23..79, 135..293, 167..292, 173..295, 178..294, 352..429, 369..431		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.ts	Method	TBLASTX:Soybean
Start	1	End	645
GI	none	Score	41

Exons 1..66, 1..48, 165..293, 167..292, 346..468, 369..473, 570..644, 571..645

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o1.gs	Method	GENSCAN
Start	21	End	1120
GI	none	Score	.89
Exons	21..78, 179..292, 393..467, 570..660, 748..863, 961..1120		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o2.tc	Method	TBLASTX
Start	570	End	2496
GI	none	Score	103
Exons	570..650, 571..651, 804..845, 805..873, 807..863, 955..1122, 977..1123, 2416..2496, 2417..2491		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o2.tw	Method	TBLASTX:Wheat
Start	747	End	2496
GI	none	Score	44
Exons	747..779, 800..850, 816..845, 955..1122, 961..1086, 962..1123, 965..1123, 2414..2491, 2416..2496, 2417..2491		

Seq. No.	39612	Seq. ID	OJ000208_05.0322.C25
Gene No.	81861	Strand	-
Start	1	End	2496
Name	OJ000208_05.0322.C25.o2.ts	Method	TBLASTX:Soybean
Start	759	End	2496
GI	none	Score	62
Exons	759..803, 804..851, 808..852, 952..1122, 977..1123, 2416..2496, 2417..2494, 2419..2496		

Seq. No.	39613	Seq. ID	OJ000208_05.0322.C26
Gene No.	81862	Strand	+
Start	1946	End	2632
Name	OJ000208_05.0322.C26.o1.gs	Method	GENSCAN
Start	1946	End	2632
GI	none	Score	.93
Exons	1946..2054, 2574..2632		

Seq. No.	39613	Seq. ID	OJ000208_05.0322.C26
Gene No.	81863	Strand	-
Start	522	End	6162
Name	OJ000208_05.0322.C26.o1.np	Method	AAT/NAP
Start	522	End	3760
GI	5852093	Score	69
Exons	522..566, 2269..2393, 3700..3760		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39613	Seq. ID	OJ000208_05.0322.C26
Gene No.	81863	Strand	-

Start	522	End	6162
Name	OJ000208_05.0322.C26.o2.gs	Method	GENSCAN
Start	3082	End	6162
GI	none	Score	.59
Exons	3082..3348, 5830..5905, 6101..6162		

Seq. No.	39614	Seq. ID	OJ000208_05.0322.C27
Gene No.	81864	Strand	+
Start	1228	End	5703
Name	OJ000208_05.0322.C27.o1.gs	Method	GENSCAN
Start	1228	End	5703
GI	none	Score	.44
Exons	1228..1322, 3095..3226, 3701..3732, 4643..4787, 5607..5703		

Seq. No.	39614	Seq. ID	OJ000208_05.0322.C27
Gene No.	81865	Strand	-
Start	5797	End	7150
Name	OJ000208_05.0322.C27.o2.gs	Method	GENSCAN
Start	5797	End	7150
GI	none	Score	.81
Exons	5797..5901, 5950..6048, 7100..7150		

Seq. No.	39615	Seq. ID	OJ991110_16.0410.C1
Gene No.	81866	Strand	-
Start	530	End	1396
Name	OJ991110_16.0410.C1.o1.gs	Method	GENSCAN
Start	530	End	1396
GI	none	Score	.75
Exons	530..576, 728..1025, 1208..1283, 1384..1396		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81867	Strand	+
Start	65	End	3169
Name	OJ991110_16.0410.C2.o1.gs	Method	GENSCAN
Start	65	End	3169
GI	none	Score	.73
Exons	65..211, 1431..1554, 1663..1756, 1940..2063, 2264..2365, 2445..2596, 2695..2788, 2984..3169		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81867	Strand	+
Start	65	End	3169
Name	OJ991110_16.0410.C2.o1.np	Method	AAT/NAP
Start	899	End	3166
GI	7447940	Score	651
Exons	899..952, 1365..1559, 1674..1756, 1940..2063, 2264..2365, 2445..2596, 2695..2788, 2984..3166		
GI Descrip.	hypothetical protein slr1503 - Synechocystis sp. (strain PCC 6803) gi 1653089 dbj BAA18005.1 (D90911) hypothetical protein [Synechocystis sp.]		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81867	Strand	+
Start	65	End	3169
Name	OJ991110_16.0410.C2.o1.gp	Method	AAT/GAP
Start	1929	End	2742
GI	LIB3431-047-P1-K1-E9	Score	712

Exons 1929..2063, 2264..2365, 2445..2596, 2695..2742
 GI Descrip. '1653089/dbj|BAA18005| 7.0e-28 (D90911) hypothetical protein
 [Synechocystis sp.]'

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81868	Strand	-
Start	3116	End	3417
Name	OJ991110_16.0410.C2.o2.gp	Method	AAT/GAP
Start	3116	End	3417
GI	none	Score	571
Exons	3116..3417		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81869	Strand	-
Start	3616	End	6775
Name	OJ991110_16.0410.C2.o2.gs	Method	GENSCAN
Start	3616	End	6739
GI	none	Score	.79
Exons	3616..4223, 5071..5150, 5720..5831, 5953..6739		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81869	Strand	-
Start	3616	End	6775
Name	OJ991110_16.0410.C2.o2.np	Method	AAT/NAP
Start	3676	End	6739
GI	6633821	Score	1448
Exons	3676..4223, 5953..6739		
GI Descrip.	(AC009519) F1N19.23 [Arabidopsis thaliana]		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81869	Strand	-
Start	3616	End	6775
Name	OJ991110_16.0410.C2.o3.gp	Method	AAT/GAP
Start	4163	End	4226
GI	uC-osflm202108h11b1	Score	98
Exons	4163..4226		
GI Descrip.	'2330885/emb CAA04124 1.0e-11 (AJ000486) methionine gamma-lyase [Trichomonas vaginalis]'		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81869	Strand	-
Start	3616	End	6775
Name	OJ991110_16.0410.C2.o4.gp	Method	AAT/GAP
Start	6261	End	6775
GI	42401_1.R1084	Score	1014
Exons	6261..6775		
GI Descrip.	'3978474 5.0e-11 (AF092918) MetZ homolog [Pseudomonas alcaligenes]'		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o3.tm	Method	TBLASTX:Maize
Start	1298	End	1776
GI	none	Score	304
Exons	1298..1555, 1307..1555, 1324..1563, 1326..1556, 1641..1775, 1646..1774, 1647..1775, 1660..1776		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o2.tc	Method	TBLASTX:Cress
Start	1307	End	2012
GI	none	Score	144
Exons	1307..1510, 1307..1399, 1323..1541, 1326..1556, 1436..1546, 1680..1763, 1907..2011, 1938..2012		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o2.ts	Method	TBLASTX:Soybean
Start	1307	End	1553
GI	none	Score	369
Exons	1307..1546, 1326..1553		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o5.tm	Method	TBLASTX:Maize
Start	1922	End	2307
GI	none	Score	218
Exons	1922..2062, 1938..2063, 1941..2063, 2260..2307, 2264..2305		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o4.ts	Method	TBLASTX:Soybean
Start	2264	End	2612
GI	none	Score	97
Exons	2264..2368, 2442..2612, 2474..2596, 2493..2603		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o4.tm	Method	TBLASTX:Maize
Start	2308	End	2821
GI	none	Score	87
Exons	2308..2388, 2309..2368, 2442..2597, 2444..2596, 2692..2793, 2693..2794, 2693..2821, 2694..2807		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o3.ts	Method	TBLASTX:Soybean
Start	2978	End	3168
GI	none	Score	258
Exons	2978..3163, 2981..3160, 2983..3168		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	3450	End	4233
GI	none	Score	396

Exons 3450..3512, 3634..4233, 3677..3943, 3989..4000, 4027..4233

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o3.tc	Method	TBLASTX:Cress
Start	3676	End	3931
GI	none	Score	268
Exons	3676..3930, 3686..3931		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	3682	End	6577
GI	none	Score	227
Exons	3682..4233, 3707..3934, 4127..4225, 5951..6457, 5952..6494, 6453..6572, 6461..6577		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o1.tc	Method	TBLASTX:Cress
Start	3931	End	6577
GI	none	Score	104
Exons	3931..4083, 4123..4233, 4124..4225, 5951..6457, 5952..6170, 6240..6443, 6464..6577, 6465..6572		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o2.tm	Method	TBLASTX:Maize
Start	6123	End	6635
GI	none	Score	599
Exons	6123..6635, 6125..6634		

Seq. No.	39616	Seq. ID	OJ991110_16.0410.C2
Gene No.	81870	Strand	-
Start	7666	End	10511
Name	OJ991110_16.0410.C2.o3.gs	Method	GENSCAN
Start	7666	End	10511
GI	none	Score	.55
Exons	7666..7685, 9664..9872, 10078..10120, 10445..10511		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81871	Strand	+
Start	2	End	2489
Name	OJ991110_16.0410.C3.o1.gs	Method	GENSCAN
Start	2	End	2489
GI	none	Score	.69
Exons	2..143, 423..572, 1056..1062, 2144..2489		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81872	Strand	+
Start	4800	End	8129
Name	OJ991110_16.0410.C3.o1.np	Method	AAT/NAP
Start	4800	End	8129

GI	4926870	Score	893
Exons	4800..6660, 8095..8129		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81872	Strand	+
Start	4800	End	8129
Name	OJ991110_16.0410.C3.o2.np	Method	AAT/NAP
Start	4933	End	7660
GI	4582447	Score	886
Exons	4933..6692, 6735..7240, 7590..7660		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81873	Strand	-
Start	2262	End	2683
Name	OJ991110_16.0410.C3.o1.gp	Method	AAT/GAP
Start	2262	End	2683
GI	none	Score	699
Exons	2262..2297, 2343..2683		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81874	Strand	-
Start	2786	End	3052
Name	OJ991110_16.0410.C3.o2.gs	Method	GENSCAN
Start	2786	End	3052
GI	none	Score	.84
Exons	2786..3052		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81875	Strand	-
Start	9903	End	10629
Name	OJ991110_16.0410.C3.o4.np	Method	AAT/NAP
Start	8675	End	10629
GI	6907086	Score	1290
Exons	8675..8933, 9106..9184, 9289..9357, 9587..9828, 9886..10629		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81875	Strand	-
Start	9903	End	10629
Name	OJ991110_16.0410.C3.o4.gs	Method	GENSCAN
Start	9903	End	10436
GI	none	Score	.9
Exons	9903..10436		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
Gene No.	81876	Strand	-
Start	11342	End	13519
Name	OJ991110_16.0410.C3.o4.tw	Method	TBLASTX:Wheat
Start	4930	End	5131
GI	none	Score	99
Exons	4930..5130, 4960..5055, 4964..5131		

Seq. No.	39617	Seq. ID	OJ991110_16.0410.C3
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Gene No. 81876
 Start 11342
 Name OJ991110_16.0410.C3.o1.tw
 Start 5302
 GI none
 Exons 5302..5685, 5303..5686

Strand -
 End 13519
 Method TBLASTX:Wheat
 End 5686
 Score 359

Seq. No. 39617
 Gene No. 81876
 Start 11342
 Name OJ991110_16.0410.C3.o1.tm
 Start 5498
 GI none
 Exons 5498..5848, 5533..5847

Seq. ID OJ991110_16.0410.C3
 Strand -
 End 13519
 Method TBLASTX:Maize
 End 5848
 Score 299

Seq. No. 39617
 Gene No. 81876
 Start 11342
 Name OJ991110_16.0410.C3.o1.ts
 Start 5600
 GI none
 Exons 5600..5920, 5713..5901, 5936..5992

Seq. ID OJ991110_16.0410.C3
 Strand -
 End 13519
 Method TBLASTX:Soybean
 End 5992
 Score 184

Seq. No. 39617
 Gene No. 81876
 Start 11342
 Name OJ991110_16.0410.C3.o3.tw
 Start 5687
 GI none
 Exons 5687..5908, 5687..5884, 5692..5907

Seq. ID OJ991110_16.0410.C3
 Strand -
 End 13519
 Method TBLASTX:Wheat
 End 5908
 Score 240

Seq. No. 39617
 Gene No. 81876
 Start 11342
 Name OJ991110_16.0410.C3.o2.tw
 Start 6299
 GI none
 Exons 6299..6502, 6313..6684, 6548..6706

Seq. ID OJ991110_16.0410.C3
 Strand -
 End 13519
 Method TBLASTX:Wheat
 End 6706
 Score 173

Seq. No. 39617
 Gene No. 81876
 Start 11342
 Name OJ991110_16.0410.C3.o5.np
 Start 11342
 GI 4680186
 Exons 11342..11760, 12260..12330, 13421..13519
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. ID OJ991110_16.0410.C3
 Strand -
 End 13519
 Method AAT/NAP
 End 13519
 Score 201

Seq. No. 39617
 Gene No. 81876
 Start 11342
 Name OJ991110_16.0410.C3.o6.np
 Start 12545
 GI 7106528
 Exons 12545..12688

Seq. ID OJ991110_16.0410.C3
 Strand -
 End 13519
 Method AAT/NAP
 End 12688
 Score 88

GI Descrip. (AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81877	Strand	+
Start	1965	End	5036
Name	OJ991110_16.0410.C4.o2.gs	Method	GENSCAN
Start	1965	End	4938
GI	none	Score	.67
Exons	1965..2119, 3286..3339, 3573..4938		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81877	Strand	+
Start	1965	End	5036
Name	OJ991110_16.0410.C4.o1.np	Method	AAT/NAP
Start	2005	End	4947
GI	6553916	Score	1244
Exons	2005..2142, 2203..2360, 2615..2664, 3286..3376, 3568..3669, 3823..4947		
GI Descrip.	(AC012329) putative GTPase activator protein of Rab-like small GTPases [Arabidopsis thaliana] gi 6723405 emb CAB66414.1 (AL132956) GTPase activating-like protein [Arabidopsis thaliana]		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81877	Strand	+
Start	1965	End	5036
Name	OJ991110_16.0410.C4.o1.gp	Method	AAT/GAP
Start	4428	End	5036
GI	none	Score	1143
Exons	4428..5036		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81878	Strand	+
Start	8622	End	19378
Name	OJ991110_16.0410.C4.o4.gs	Method	GENSCAN
Start	8622	End	15637
GI	none	Score	.76
Exons	8622..8887, 9459..9581, 9691..9760, 9877..9987, 10255..10338, 11236..11286, 12012..12260, 12610..12645, 12969..13088, 13219..13389, 14766..15069, 15097..15278, 15524..15637		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81878	Strand	+
Start	8622	End	19378
Name	OJ991110_16.0410.C4.o3.gp	Method	AAT/GAP
Start	9898	End	12266
GI	none	Score	697
Exons	9898..9987, 10255..10338, 11236..11286, 11875..11904, 12008..12095, 12195..12266		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81878	Strand	+
Start	8622	End	19378
Name	OJ991110_16.0410.C4.o3.np	Method	AAT/NAP
Start	12801	End	19378
GI	1084987	Score	101
Exons	12801..12992, 17763..17835, 19122..19378		
GI Descrip.	cryptogene protein G4 - Sauroleishmania tarentolae (strain LEM125)		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81879	Strand	-
Start	90	End	892
Name	OJ991110_16.0410.C4.o1.gs	Method	GENSCAN
Start	90	End	892
GI	none	Score	.78
Exons	90..217, 378..385, 493..649, 876..892		
Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81880	Strand	-
Start	5795	End	8129
Name	OJ991110_16.0410.C4.o2.gp	Method	AAT/GAP
Start	5645	End	8129
GI	375 1.R1084	Score	1259
Exons	5645..6045, 6157..6223, 7747..7863, 7985..8129		
GI Descrip.	'729252/sp P40934 CYB5_BRAOL 1.0e-53 CYTOCHROME B5 >gi_167140 (M87514) cytochrome b-5 [Brassica oleracea] >gi_384338_prf__1905426A cytochrome b5 [Brassica oleracea]'		
Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81880	Strand	-
Start	5795	End	8129
Name	OJ991110_16.0410.C4.o3.gs	Method	GENSCAN
Start	5795	End	7833
GI	none	Score	.61
Exons	5795..6072, 6157..6223, 7747..7833		
Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81880	Strand	-
Start	5795	End	8129
Name	OJ991110_16.0410.C4.o2.np	Method	AAT/NAP
Start	5798	End	7833
GI	729252	Score	469
Exons	5798..6045, 6157..6223, 7747..7833		
GI Descrip.	CYTOCHROME B5 gi 7430587 pir T14454 cytochrome b5 - wild cabbage gi 167140 gb AAA32990.1 (M87514) cytochrome b-5 [Brassica oleracea] gi 384338 prf 1905426A cytochrome b5 [Brassica oleracea]		
Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81881	Strand	-
Start	13659	End	14078
Name	OJ991110_16.0410.C4.o4.gp	Method	AAT/GAP
Start	13659	End	14078
GI	none	Score	809
Exons	13659..14078		
Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	2168	End	4837
GI	none	Score	99
Exons	2168..2368, 2206..2349, 2220..2387, 2223..2360, 2614..2664, 2615..2665, 3287..3382, 3535..3693, 3570..3701, 3571..3705, 3581..3706, 3833..3904, 3838..3915, 3842..3916, 3911..4090,		

3912..4085, 3920..4093, 4075..4752, 4087..4749, 4089..4757,
4756..4836, 4756..4836, 4760..4837

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o1.ts	Method	TBLASTX:Soybean
Start	4134	End	4590
GI	none	Score	260
Exons	4134..4382, 4135..4362, 4354..4590, 4356..4589		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o1.tc	Method	TBLASTX:Cress
Start	4222	End	4619
GI	none	Score	495
Exons	4222..4593, 4224..4619, 4259..4612		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o2.tc	Method	TBLASTX:Cress
Start	4627	End	4964
GI	none	Score	431
Exons	4627..4932, 4632..4802, 4638..4964, 4783..4938, 4784..4960		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o2.ts	Method	TBLASTX:Soybean
Start	5774	End	7834
GI	none	Score	213
Exons	5774..6046, 5790..6071, 6152..6238, 6156..6224, 7741..7833, 7745..7834		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o2.tm	Method	TBLASTX:Maize
Start	5776	End	7839
GI	none	Score	169
Exons	5776..6027, 5778..6017, 5795..6046, 5796..6071, 6152..6238, 6156..6224, 6158..6226, 7741..7833, 7744..7839		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o3.tc	Method	TBLASTX:Cress
Start	5794	End	7833
GI	none	Score	66
Exons	5794..5916, 5795..6046, 5799..6047, 5995..6075, 6152..6238, 6156..6224, 6170..6226, 7741..7833		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248

Name	OJ991110_16.0410.C4.o1.tw	Method	TBLASTX:Wheat
Start	5795	End	7833
GI	none	Score	263
Exons	5795..6046, 5796..6071, 6152..6226, 6156..6224, 6161..6226, 7741..7833, 7744..7833		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o4.tm	Method	TBLASTX:Maize
Start	8702	End	13015
GI	none	Score	112
Exons	8702..8797, 8703..8789, 8783..8815, 8790..8885, 8807..8902, 9451..9582, 9456..9581, 9689..9715, 9718..9762, 9719..9760, 9853..9996, 9874..9987, 9875..9994, 10254..10337, 10255..10347, 10256..10339, 11232..11285, 11233..11286, 11234..11287, 11871..11906, 11872..11904, 12026..12103, 12027..12104, 12192..12260, 12194..12259, 12389..12538, 12390..12539, 12610..12648, 12968..13015, 12969..13013		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o4.ts	Method	TBLASTX:Soybean
Start	9454	End	9915
GI	none	Score	142
Exons	9454..9582, 9456..9581, 9688..9762, 9689..9760, 9874..9915		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o5.ts	Method	TBLASTX:Soybean
Start	9916	End	13091
GI	none	Score	118
Exons	9916..9996, 9918..9977, 10254..10334, 10255..10335, 11236..11286, 11872..11904, 12027..12104, 12032..12103, 12192..12260, 12192..12266, 12194..12283, 12194..12268, 12399..12431, 12400..12432, 12442..12507, 12456..12539, 12460..12513, 12609..12647, 12610..12648, 12968..13087, 12969..13079, 12978..13091		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o3.tm	Method	TBLASTX:Maize
Start	13019	End	13719
GI	none	Score	79
Exons	13019..13102, 13020..13076, 13021..13089, 13216..13389, 13217..13390, 13218..13391, 13222..13401, 13224..13391, 13576..13719, 13608..13715		

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o3.ts	Method	TBLASTX:Soybean
Start	13216	End	13683
GI	none	Score	164

Exons 13216..13389, 13218..13391, 13222..13401, 13224..13391,
13576..13683, 13608..13682

Seq. No.	39618	Seq. ID	OJ991110_16.0410.C4
Gene No.	81882	Strand	-
Start	18642	End	19248
Name	OJ991110_16.0410.C4.o5.gs	Method	GENSCAN
Start	18642	End	19248
GI	none	Score	.58
Exons	18642..18750, 19031..19248		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81883	Strand	+
Start	5406	End	7230
Name	OJ991110_16.0410.C5.o3.gs	Method	GENSCAN
Start	5406	End	7230
GI	none	Score	.43
Exons	5406..5714, 6838..7230		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81884	Strand	-
Start	1171	End	3178
Name	OJ991110_16.0410.C5.o2.gs	Method	GENSCAN
Start	1171	End	3178
GI	none	Score	.45
Exons	1171..1368, 2384..2730, 2806..3178		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.np	Method	AAT/NAP
Start	8026	End	11829
GI	6630696	Score	6579
Exons	8026..11829		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o2.tw	Method	TBLASTX:Wheat
Start	8162	End	8637
GI	none	Score	401
Exons	8162..8548, 8163..8546, 8164..8547, 8563..8637, 8564..8632, 8577..8636		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o4.ts	Method	TBLASTX:Soybean
Start	8290	End	8631
GI	none	Score	82
Exons	8290..8499, 8369..8494, 8518..8631, 8528..8596		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-

Start	8026	End	11935
Name	OJ991110_16.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	8493	End	8865
GI	none	Score	86
Exons	8493..8735, 8494..8865, 8495..8842		
Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o3.ts	Method	TBLASTX:Soybean
Start	8641	End	8992
GI	none	Score	72
Exons	8641..8823, 8644..8832, 8645..8833, 8828..8992, 8833..8991		
Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o3.tw	Method	TBLASTX:Wheat
Start	8845	End	9390
GI	none	Score	72
Exons	8845..9051, 9046..9390, 9209..9373		
Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	8926	End	9391
GI	none	Score	61
Exons	8926..9390, 9029..9139, 9175..9255, 9260..9391		
Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	9061	End	9525
GI	5509260	Score	103
Exons	9061..9525, 9269..9430		
GI Descrip.	-		
Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.tc	Method	TBLASTX:Cress
Start	9172	End	9432
GI	none	Score	110
Exons	9172..9432, 9260..9430		
Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	9445	End	10186
GI	none	Score	114
Exons	9445..9627, 9445..10185, 9728..10186, 9785..10186		
Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-

Start	8026	End	11935
Name	OJ991110_16.0410.C5.o2.tc	Method	TBLASTX:Cress
Start	9757	End	10233
GI	none	Score	122
Exons	9757..9822, 9826..10014, 10033..10233		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o2.ts	Method	TBLASTX:Soybean
Start	9850	End	10248
GI	none	Score	88
Exons	9850..10023, 10027..10248, 10031..10177		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o4.tm	Method	TBLASTX:Maize
Start	10036	End	10500
GI	none	Score	86
Exons	10036..10500, 10043..10261		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o5.tw	Method	TBLASTX:Wheat
Start	10188	End	10393
GI	none	Score	137
Exons	10188..10385, 10190..10393, 10191..10385, 10192..10392		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o5.ts	Method	TBLASTX:Soybean
Start	10258	End	10638
GI	none	Score	80
Exons	10258..10506, 10489..10638		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	10612	End	10956
GI	none	Score	373
Exons	10612..10653, 10682..10954, 10682..10954, 10683..10955, 10684..10956		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o1.gp	Method	AAT/GAP
Start	10897	End	11787
GI	101595_1.R1084	Score	1447
Exons	10897..10971, 11087..11787		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o5.tm	Method	TBLASTX:Maize
Start	11479	End	11787
GI	none	Score	120
Exons	11479..11787, 11482..11658, 11544..11687, 11558..11740		

Seq. No.	39619	Seq. ID	OJ991110_16.0410.C5
Gene No.	81885	Strand	-
Start	8026	End	11935
Name	OJ991110_16.0410.C5.o4.tw	Method	TBLASTX:Wheat
Start	11538	End	11935
GI	none	Score	156
Exons	11538..11720, 11539..11823, 11558..11749, 11800..11934, 11837..11935		

Seq. No.	39620	Seq. ID	OJ991110_16.0410.C7
Gene No.	81886	Strand	+
Start	279	End	605
Name	OJ991110_16.0410.C7.o1.gs	Method	GENSCAN
Start	279	End	605
GI	none	Score	.58
Exons	279..605		

Seq. No.	39621	Seq. ID	OJ991110_16.0410.C9
Gene No.	81887	Strand	-
Start	2785	End	3128
Name	OJ991110_16.0410.C9.o3.gs	Method	GENSCAN
Start	2785	End	3128
GI	none	Score	.48
Exons	2785..2840, 2883..3088, 3094..3128		

Seq. No.	39622	Seq. ID	OJ991110_16.0410.C10
Gene No.	81888	Strand	+
Start	113	End	863
Name	OJ991110_16.0410.C10.o1.gs	Method	GENSCAN
Start	113	End	863
GI	none	Score	.77
Exons	113..315, 399..537, 819..863		

Seq. No.	39623	Seq. ID	OJ991110_16.0410.C11
Gene No.	81889	Strand	+
Start	4916	End	6150
Name	OJ991110_16.0410.C11.o1.np	Method	AAT/NAP
Start	4916	End	6150
GI	6815099	Score	88
Exons	4916..4980, 5044..5072, 5945..6150		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39623	Seq. ID	OJ991110_16.0410.C11
Gene No.	81890	Strand	-
Start	974	End	1456
Name	OJ991110_16.0410.C11.o1.gp	Method	AAT/GAP
Start	974	End	1456
GI	none	Score	906
Exons	974..1456		

Seq. No.	39624	Seq. ID	OJ991110_16.0410.C12
Gene No.	81891	Strand	+
Start	1511	End	5025
Name	OJ991110_16.0410.C12.o1.gs	Method	GENSCAN
Start	1511	End	5025
GI	none	Score	.5
Exons	1511..1533, 4365..4463, 4919..5025		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81892	Strand	+
Start	771	End	2525
Name	OJ991110_16.0410.C13.o2.gs	Method	GENSCAN
Start	771	End	2525
GI	none	Score	.68
Exons	771..782, 2063..2178, 2282..2525		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81893	Strand	+
Start	3314	End	3764
Name	OJ991110_16.0410.C13.o1.gp	Method	AAT/GAP
Start	3314	End	3764
GI	none	Score	845
Exons	3314..3764		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81894	Strand	+
Start	11458	End	11808
Name	OJ991110_16.0410.C13.o4.gs	Method	GENSCAN
Start	11458	End	11808
GI	none	Score	.71
Exons	11458..11808		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o3.tm	Method	TBLASTX:Maize
Start	3433	End	4798
GI	none	Score	39
Exons	3433..3471, 3591..3620, 3595..3621, 3626..3670, 3627..3671, 3676..3705, 3678..3704, 3732..3761, 3843..3992, 3869..4018, 3871..3993, 3935..4024, 4015..4077, 4068..4109, 4145..4348, 4181..4348, 4182..4349, 4183..4356, 4741..4785, 4742..4798		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o3.gs	Method	GENSCAN
Start	3597	End	9413
GI	none	Score	.45
Exons	3597..3663, 3963..4088, 4118..4217, 4744..4785, 4827..5702, 5809..5908, 6572..6695, 7314..7351, 8513..8593, 9000..9413		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o1.tm	Method	TBLASTX:Maize

Start	4806	End	5412
GI	none	Score	326
Exons	4806..5126, 4806..4868, 4808..5128, 4808..5119, 4852..5127, 5044..5253, 5117..5170, 5140..5358, 5180..5362, 5358..5408, 5362..5412		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	4823	End	5370
GI	none	Score	78
Exons	4823..4897, 4855..4896, 4898..5047, 4898..4957, 4900..5064, 5062..5112, 5083..5298, 5111..5311, 5293..5370, 5297..5368		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o2.gp	Method	AAT/GAP
Start	4841	End	5679
GI	none	Score	1662
Exons	4841..5679		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o1.tc	Method	TBLASTX:Cress
Start	5191	End	6622
GI	none	Score	56
Exons	5191..5271, 5210..5266, 5293..5403, 5297..5428, 5441..5479, 5470..5565, 5571..5693, 5579..5686, 5587..5703, 5588..5710, 5810..5914, 5811..5909, 6572..6622		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o1.tw	Method	TBLASTX:Wheat
Start	5408	End	5914
GI	none	Score	66
Exons	5408..5479, 5500..5547, 5557..5703, 5567..5710, 5810..5914, 5811..5909, 5828..5911		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	5413	End	5902
GI	none	Score	297
Exons	5413..5712, 5414..5731, 5796..5900, 5801..5899, 5806..5901, 5825..5902, 5827..5901		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o2.ts	Method	TBLASTX:Soybean
Start	5575	End	8608
GI	none	Score	78

Exons 5575..5703, 5581..5703, 5582..5707, 5809..5889, 5810..5914,
5811..5909, 6572..6718, 6576..6719, 6578..6721, 6586..6720,
7311..7376, 7312..7362, 7429..7530, 7430..7528, 7433..7534,
8510..8608, 8511..8603

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o5.tm	Method	TBLASTX:Maize
Start	6572	End	7530
GI	none	Score	191
Exons	6572..6718, 6573..6719, 7311..7376, 7311..7376, 7429..7530, 7430..7528, 7432..7530		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o4.tm	Method	TBLASTX:Maize
Start	8444	End	8665
GI	none	Score	230
Exons	8444..8653, 8454..8654, 8456..8665		

Seq. No.	39625	Seq. ID	OJ991110_16.0410.C13
Gene No.	81895	Strand	-
Start	3597	End	9480
Name	OJ991110_16.0410.C13.o6.tm	Method	TBLASTX:Maize
Start	9236	End	9480
GI	none	Score	49
Exons	9236..9265, 9260..9403, 9264..9422, 9264..9422, 9265..9423, 9427..9480, 9428..9463		

Seq. No.	39626	Seq. ID	OJ991110_16.0410.C14
Gene No.	81896	Strand	+
Start	2524	End	3862
Name	OJ991110_16.0410.C14.o1.np	Method	AAT/NAP
Start	2524	End	3862
GI	7485261	Score	102
Exons	2524..2574, 3726..3862		
GI Descrip.	hypothetical protein A IG005I10.16 - Arabidopsis thaliana gi 2252836 gb AAB62835.1 (AF013293) contains weak similarity to S. cerevisiae BOB1 protein (PIR:S45444) [Arabidopsis thaliana] gi 6049878 gb AAF02793.1 AF195115_13 (AF195115) contains weak similarity to S. cerevisiae BOB1 protein (PIR:S45444) [Arabidopsis thaliana] gi 7267117 emb CAB80788.1 (AL161471) contains weak		

Seq. No.	39626	Seq. ID	OJ991110_16.0410.C14
Gene No.	81896	Strand	+
Start	2524	End	3862
Name	OJ991110_16.0410.C14.o2.gp	Method	AAT/GAP
Start	3028	End	3108
GI	38012_1.R1084	Score	99
Exons	3028..3108		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	39626	Seq. ID	OJ991110_16.0410.C14
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Gene No.	81897	Strand	-
Start	400	End	504
Name	OJ991110_16.0410.C14.o1.gp	Method	AAT/GAP
Start	400	End	504
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	400..504		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81898	Strand	+
Start	1	End	1694
Name	OJ991110_16.0410.C15.o1.np	Method	AAT/NAP
Start	1	End	1694
GI	7459603	Score	484
Exons	1..183, 968..1516, 1596..1694		
GI Descrip.	hypothetical protein F8L21.140 - Arabidopsis thaliana gi 5596481 emb CAB51419.1 (AL096882) putative protein [Arabidopsis thaliana] gi 7267834 emb CAB81236.1 (AL161531) putative protein [Arabidopsis thaliana]		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81898	Strand	+
Start	1	End	1694
Name	OJ991110_16.0410.C15.o1.gs	Method	GENSCAN
Start	10	End	1624
GI	none	Score	.88
Exons	10..183, 968..1624		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81899	Strand	+
Start	5887	End	7738
Name	OJ991110_16.0410.C15.o2.gs	Method	GENSCAN
Start	5887	End	7738
GI	none	Score	.62
Exons	5887..5967, 6036..6242, 6981..7072, 7439..7482, 7593..7738		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81900	Strand	-
Start	8677	End	8850
Name	OJ991110_16.0410.C15.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1345
GI	none	Score	182
Exons	1..189, 9..188, 962..1345, 967..1185		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81900	Strand	-
Start	8677	End	8850
Name	OJ991110_16.0410.C15.o2.tm	Method	TBLASTX:Maize
Start	992	End	1372
GI	none	Score	100
Exons	992..1087, 1094..1372		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81900	Strand	-
Start	8677	End	8850

Name	OJ991110_16.0410.C15.o1.tc	Method	TBLASTX:Cress
Start	1149	End	1613
GI	none	Score	223
Exons	1149..1304, 1151..1444, 1151..1309, 1273..1425, 1463..1516, 1596..1613		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81900	Strand	-
Start	8677	End	8850
Name	OJ991110_16.0410.C15.o1.tm	Method	TBLASTX:Maize
Start	1385	End	1741
GI	none	Score	109
Exons	1385..1501, 1386..1502, 1405..1506, 1406..1525, 1545..1661, 1587..1682, 1652..1741, 1660..1737		

Seq. No.	39627	Seq. ID	OJ991110_16.0410.C15
Gene No.	81900	Strand	-
Start	8677	End	8850
Name	OJ991110_16.0410.C15.o3.gs	Method	GENSCAN
Start	8677	End	8850
GI	none	Score	.83
Exons	8677..8850		

Seq. No.	39628	Seq. ID	OJ991110_16.0410.C16
Gene No.	81901	Strand	+
Start	2740	End	4806
Name	OJ991110_16.0410.C16.o1.gs	Method	GENSCAN
Start	2740	End	4806
GI	none	Score	.63
Exons	2740..2991, 3416..3573, 4575..4806		

Seq. No.	39628	Seq. ID	OJ991110_16.0410.C16
Gene No.	81902	Strand	+
Start	5921	End	7024
Name	OJ991110_16.0410.C16.o2.gs	Method	GENSCAN
Start	5921	End	7024
GI	none	Score	.7
Exons	5921..5974, 6956..7024		

Seq. No.	39629	Seq. ID	OJ991110_16.0410.C18
Gene No.	81903	Strand	+
Start	1681	End	3228
Name	OJ991110_16.0410.C18.o1.np	Method	AAT/NAP
Start	1681	End	3228
GI	283004	Score	470
Exons	1681..2069, 2790..3063, 3197..3228		
GI Descrip.	DNA-binding protein Gt-2 - rice gi 20249 emb CAA48328 (X68261) gt-2 [Oryza sativa]		

Seq. No.	39629	Seq. ID	OJ991110_16.0410.C18
Gene No.	81903	Strand	+
Start	1681	End	3228
Name	OJ991110_16.0410.C18.o1.gp	Method	AAT/GAP
Start	1732	End	3094
GI	43338_1.R1084	Score	1215
Exons	1732..2069, 2790..3094		
GI Descrip.	'283004/pir S28030 3.0e-42 DNA-binding protein Gt-2 - rice		

>gi_20249_emb_CAA48328_ (X68261) gt-2 [Oryza sativa]'

Seq. No.	39629	Seq. ID	OJ991110_16.0410.C18
Gene No.	81903	Strand	+
Start	1681	End	3228
Name	OJ991110_16.0410.C18.ol.gs	Method	GENSCAN
Start	1747	End	3202
GI	none	Score	.63
Exons	1747..2069, 2790..3202		

Seq. No.	39629	Seq. ID	OJ991110_16.0410.C18
Gene No.	81903	Strand	+
Start	1681	End	3228
Name	OJ991110_16.0410.C18.ol.tc	Method	TBLASTX:Cress
Start	1959	End	3021
GI	none	Score	166
Exons	1959..2072, 1960..2070, 1960..2067, 2760..2936, 2764..2997, 2805..2882, 2806..2895, 2974..3021		

Seq. No.	39629	Seq. ID	OJ991110_16.0410.C18
Gene No.	81903	Strand	+
Start	1681	End	3228
Name	OJ991110_16.0410.C18.ol.ts	Method	TBLASTX:Soybean
Start	1959	End	2940
GI	none	Score	180
Exons	1959..2072, 1960..2070, 2772..2936, 2773..2940		

Seq. No.	39629	Seq. ID	OJ991110_16.0410.C18
Gene No.	81903	Strand	+
Start	1681	End	3228
Name	OJ991110_16.0410.C18.ol.tm	Method	TBLASTX:Maize
Start	2773	End	3027
GI	none	Score	285
Exons	2773..2955, 2787..2954, 2955..3026, 2956..3027		

Seq. No.	39630	Seq. ID	OJ991110_16.0410.C19
Gene No.	81904	Strand	+
Start	1	End	887
Name	OJ991110_16.0410.C19.ol.np	Method	AAT/NAP
Start	1	End	884
GI	283004	Score	262
Exons	1..162, 232..369, 501..547, 614..767, 829..884		
GI Descrip.	DNA-binding protein Gt-2 - rice gi 20249 emb CAA48328 (X68261) gt-2 [Oryza sativa]		

Seq. No.	39630	Seq. ID	OJ991110_16.0410.C19
Gene No.	81904	Strand	+
Start	1	End	887
Name	OJ991110_16.0410.C19.ol.gs	Method	GENSCAN
Start	61	End	887
GI	none	Score	.98
Exons	61..369, 504..887		

Seq. No.	39630	Seq. ID	OJ991110_16.0410.C19
Gene No.	81905	Strand	-
Start	848	End	1492
Name	OJ991110_16.0410.C19.ol.gp	Method	AAT/GAP

Start 848
GI none
Exons 848..1492

End 1492
Score 1249

Seq. No. 39631
Gene No. 81906
Start 1471
Name OJ991110_16.0410.C20.o1.gs
Start 1471
GI none
Exons 1471..1561

Seq. ID OJ991110_16.0410.C20
Strand +
End 1561
Method GENSCAN
End 1561
Score .44

Seq. No. 39632
Gene No. 81907
Start 572
Name OJ991020_11.0303.C1.o1.gs
Start 572
GI none
Exons 572..687, 1734..1790, 2396..2541, 3196..3602

Seq. ID OJ991020_11.0303.C1
Strand +
End 3910
Method GENSCAN
End 3602
Score .5

Seq. No. 39632
Gene No. 81907
Start 572
Name OJ991020_11.0303.C1.o1.np
Start 805
GI 7340868
Exons 805..922, 2491..2668, 3860..3910
GI Descrip. (AP001551) hypothetical protein [Oryza sativa]

Seq. ID OJ991020_11.0303.C1
Strand +
End 3910
Method AAT/NAP
End 3910
Score 181

Seq. No. 39632
Gene No. 81908
Start 9822
Name OJ991020_11.0303.C1.o4.gs
Start 9822
GI none
Exons 9822..9833, 10124..10161, 10471..10703, 10923..10927

Seq. ID OJ991020_11.0303.C1
Strand +
End 10927
Method GENSCAN
End 10927
Score .76

Seq. No. 39632
Gene No. 81909
Start 21650
Name OJ991020_11.0303.C1.o7.gs
Start 21650
GI none
Exons 21650..21807, 22007..22430

Seq. ID OJ991020_11.0303.C1
Strand +
End 22430
Method GENSCAN
End 22430
Score .59

Seq. No. 39632
Gene No. 81910
Start 4581
Name OJ991020_11.0303.C1.o2.gs
Start 4581
GI none
Exons 4581..4737, 4758..4837

Seq. ID OJ991020_11.0303.C1
Strand -
End 4837
Method GENSCAN
End 4837
Score .53

Seq. No. 39632
Gene No. 81911
Start 5358
Name OJ991020_11.0303.C1.o2.np

Seq. ID OJ991020_11.0303.C1
Strand -
End 7537
Method AAT/NAP

Start	5358	End	7208
GI	7523502	Score	169
Exons	5358..5446, 6688..6828, 7096..7208		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81911	Strand	-
Start	5358	End	7537
Name	OJ991020_11.0303.C1.o3.gs	Method	GENSCAN
Start	6333	End	7208
GI	none	Score	.72
Exons	6333..6457, 6677..6877, 7115..7208		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81911	Strand	-
Start	5358	End	7537
Name	OJ991020_11.0303.C1.o1.gp	Method	AAT/GAP
Start	7080	End	7537
GI	4968598	Score	815
Exons	7080..7537		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81912	Strand	-
Start	11121	End	13433
Name	OJ991020_11.0303.C1.o5.gs	Method	GENSCAN
Start	11121	End	13433
GI	none	Score	.92
Exons	11121..13433		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81912	Strand	-
Start	11121	End	13433
Name	OJ991020_11.0303.C1.o3.np	Method	AAT/NAP
Start	11124	End	13400
GI	7435662	Score	1241
Exons	11124..13400		
GI Descrip.	subtilisin-like proteinase (EC 3.4.21.-) precursor P69B, pathogenesis-related - tomato gi 2230959 emb CAA71234.1 (Y10149) subtilisin-like protease [Lycopersicon esculentum] gi 4200336 emb CAA76725.1 (Y17276) P69B protein [Lycopersicon esculentum]		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o1.tc	Method	TBLASTX:Cress
Start	11121	End	13304
GI	none	Score	76
Exons	11121..11189, 11226..11318, 11391..11432, 11490..11639, 11664..11999, 11725..11826, 11739..11927, 11878..12015, 12048..12131, 12198..12263, 12276..12779, 12319..12780, 12804..12848, 12859..12930, 12861..12929, 13002..13079, 13092..13163, 13215..13304		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466

Name	OJ991020_11.0303.C1.o1.ts	Method	TBLASTX:Soybean
Start	11406	End	13486
GI	none	Score	39
Exons	11406..11432, 11487..11639, 11544..11573, 11587..11622, 11664..11978, 11731..11976, 12048..12185, 12201..12263, 12276..12785, 12319..12771, 12804..12839, 12861..12929, 13002..13079, 13086..13163, 13212..13304, 13406..13486		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	11472	End	12623
GI	none	Score	207
Exons	11472..11639, 11643..11999, 11662..11976, 12069..12167, 12198..12263, 12315..12395, 12328..12396, 12390..12623, 12391..12609		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o3.tw	Method	TBLASTX:Wheat
Start	11688	End	11984
GI	none	Score	59
Exons	11688..11822, 11761..11823, 11874..11927, 11878..11964, 11940..11984		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o2.tw	Method	TBLASTX:Wheat
Start	12195	End	12701
GI	none	Score	135
Exons	12195..12263, 12276..12560, 12277..12585, 12543..12623, 12639..12701		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o4.tm	Method	TBLASTX:Maize
Start	12639	End	13305
GI	none	Score	131
Exons	12639..12779, 12640..12780, 12807..12848, 12808..12849, 12859..12930, 12861..12929, 13002..13079, 13003..13119, 13092..13163, 13239..13304, 13240..13305		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o3.gp	Method	AAT/GAP
Start	14759	End	15553
GI	none	Score	1336
Exons	14759..15333, 15430..15553		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466

Name	OJ991020_11.0303.C1.o2.tm	Method	TBLASTX:Maize
Start	15152	End	19059
GI	none	Score	78
Exons	15152..15208, 15153..15209, 15191..15334, 15204..15335, 15205..15336, 15424..15558, 15425..15562, 15426..15563, 15430..15564, 15878..16042, 15879..16043, 15895..16044, 15925..16044, 16103..16165, 16103..16165, 16114..16179, 17428..17499, 18591..18725, 18592..18723, 18601..18732, 18846..18935, 18848..18964, 18849..18935, 19009..19059, 19009..19059		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o6.gs	Method	GENSCAN
Start	15164	End	20558
GI	none	Score	.62
Exons	15164..15234, 15430..15562, 15884..16042, 16114..16164, 16543..16881, 16959..17054, 17422..17522, 18467..18485, 18606..18732, 18849..18928, 19349..19534, 19705..19774, 20392..20558		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o4.np	Method	AAT/NAP
Start	15170	End	20546
GI	7076760	Score	996
Exons	15170..15339, 15430..15562, 15884..16042, 16114..16164, 17422..17481, 18606..18732, 18849..18933, 19009..19083, 19349..19569, 19705..19774, 20392..20546		
GI Descrip.	(AL138658) putative protein [Arabidopsis thaliana]		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o5.np	Method	AAT/NAP
Start	16680	End	31466
GI	1076802	Score	147
Exons	16680..17027, 22124..22399, 25464..25585, 31287..31466		
GI Descrip.	extensin-like protein - maize gi 600118 emb CAA84230 (Z34465) extensin-like protein [Zea mays] gi 1096557 prf 211..76A extensin-like domain [Zea mays]		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o1.tw	Method	TBLASTX:Maize
Start	18843	End	19059
GI	none	Score	
Exons	18843..18932, 18848..18964, 18849..18932, 19001..19081, 19009..19083, 19009..19083, 19011..19088, 19159..19245, 19168..19245, 19169..19249, 19169..19252, 19335..19481, 19337..19483, 19338..19481		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-

Start	15164	End	31466
Name	OJ991020_11.0303.C1.o2.ts	Method	TBLASTX:Soybean
Start	18887	End	19445
GI	none	Score	41
Exons	18887..18931, 18888..18932, 19036..19083, 19039..19077, 19157..19249, 19159..19245, 19337..19444, 19344..19445		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o3.tm	Method	TBLASTX:Maize
Start	19060	End	19761
GI	none	Score	90
Exons	19060..19083, 19159..19245, 19169..19249, 19337..19534, 19353..19535, 19702..19761		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o8.gs	Method	GENSCAN
Start	22882	End	24405
GI	none	Score	.59
Exons	22882..22947, 23129..23315, 23461..23629, 23770..24040, 24316..24405		

Seq. No.	39632	Seq. ID	OJ991020_11.0303.C1
Gene No.	81913	Strand	-
Start	15164	End	31466
Name	OJ991020_11.0303.C1.o5.gp	Method	AAT/GAP
Start	24643	End	24752
GI	uC-osflcyp082b07a1	Score	169
Exons	24643..24752		
GI Descrip.	'218221/dbj D10675 RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6 gene, repeat sequence'		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81914	Strand	+
Start	1	End	2609
Name	OJ991020_11.0303.C2.o1.np	Method	AAT/NAP
Start	1	End	1882
GI	5852178	Score	77
Exons	1..26, 1319..1479, 1511..1616, 1788..1882		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81914	Strand	+
Start	1	End	2609
Name	OJ991020_11.0303.C2.o1.gs	Method	GENSCAN
Start	43	End	1125
GI	none	Score	.4
Exons	43..258, 979..1125		

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81914	Strand	+
Start	1	End	2609
Name	OJ991020_11.0303.C2.o2.np	Method	AAT/NAP
Start	467	End	2609

GI 6063554 Score 171
 Exons 467..541, 917..1217, 1343..1457, 2278..2609
 GI Descrip. (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)
 correspond to a region of the predicted gene.; hypothetical
 protein [Oryza sativa]

Seq. No. 39633 Seq. ID OJ991020_11.0303.C2
 Gene No. 81915 Strand +
 Start 2873 End 5374
 Name OJ991020_11.0303.C2.o3.gs Method GENSCAN
 Start 2873 End 5374
 GI none Score .64
 Exons 2873..3101, 5268..5374

Seq. No. 39633 Seq. ID OJ991020_11.0303.C2
 Gene No. 81916 Strand +
 Start 5928 End 9791
 Name OJ991020_11.0303.C2.o4.gs Method GENSCAN
 Start 5928 End 7894
 GI none Score .4
 Exons 5928..5968, 6117..6222, 7224..7334, 7733..7894

Seq. No. 39633 Seq. ID OJ991020_11.0303.C2
 Gene No. 81916 Strand +
 Start 5928 End 9791
 Name OJ991020_11.0303.C2.o3.np Method AAT/NAP
 Start 6037 End 9791
 GI 7485117 Score 168
 Exons 6037..6222, 7630..7861, 9753..9791
 GI Descrip. hypothetical protein - Arabidopsis thaliana
 gi|2244816|emb|CAB10239.1| (Z97336) hypothetical protein
 [Arabidopsis thaliana] gi|7268166|emb|CAB78502.1| (AL161539)
 hypothetical protein [Arabidopsis thaliana]

Seq. No. 39633 Seq. ID OJ991020_11.0303.C2
 Gene No. 81917 Strand -
 Start 1308 End 1601
 Name OJ991020_11.0303.C2.o2.gs Method GENSCAN
 Start 1308 End 1601
 GI none Score .92
 Exons 1308..1601

Seq. No. 39633 Seq. ID OJ991020_11.0303.C2
 Gene No. 81918 Strand -
 Start 8851 End 9699
 Name OJ991020_11.0303.C2.o1.tm Method TBLASTX:Maize
 Start 5905 End 7798
 GI none Score 74
 Exons 5905..5970, 5907..5969, 5922..5978, 6093..6224, 6094..6225,
 6115..6225, 7222..7266, 7223..7294, 7223..7270, 7224..7295,
 7713..7769, 7729..7797, 7732..7797, 7733..7798

Seq. No. 39633 Seq. ID OJ991020_11.0303.C2
 Gene No. 81918 Strand -
 Start 8851 End 9699
 Name OJ991020_11.0303.C2.o4.np Method AAT/NAP
 Start 8583 End 9469

GI 7339707 Score 64
 Exons 8583..8731, 8822..8922, 9183..9242, 9271..9469
 GI Descrip. (AP001539) hypothetical protein [Oryza sativa]

Seq. No.	39633	Seq. ID	OJ991020_11.0303.C2
Gene No.	81918	Strand	-
Start	8851	End	9699
Name	OJ991020_11.0303.C2.o5.gs	Method	GENSCAN
Start	8851	End	9699
GI	none	Score	.84
Exons	8851..9699		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81919	Strand	+
Start	205	End	2673
Name	OJ991020_11.0303.C3.o1.gs	Method	GENSCAN
Start	205	End	2673
GI	none	Score	.88
Exons	205..272, 1023..1127, 1857..2028, 2030..2475, 2490..2673		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81920	Strand	+
Start	14757	End	15369
Name	OJ991020_11.0303.C3.o5.gp	Method	AAT/GAP
Start	14757	End	15369
GI	none	Score	1164
Exons	14757..15369		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81921	Strand	+
Start	24273	End	29561
Name	OJ991020_11.0303.C3.o5.gs	Method	GENSCAN
Start	24273	End	29561
GI	none	Score	.63
Exons	24273..24283, 24859..25001, 25740..25762, 28075..28190, 28440..28566, 29161..29279, 29345..29561		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81922	Strand	-
Start	3848	End	11695
Name	OJ991020_11.0303.C3.o1.gp	Method	AAT/GAP
Start	3575	End	5109
GI	19351_1.R1084	Score	1035
Exons	3575..3987, 4591..4672, 5043..5109		
GI Descrip.	'3660467/emb CAA05023 1.0e-32 (AJ001807) succinyl-CoA-ligase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81922	Strand	-
Start	3848	End	11695
Name	OJ991020_11.0303.C3.o2.gs	Method	GENSCAN
Start	3848	End	11611
GI	none	Score	.58
Exons	3848..3987, 4160..4282, 4591..4672, 5043..5104, 5879..5942, 6374..6583, 7712..7854, 7917..8126, 9255..9306, 9718..9778, 9850..9977, 10542..10752, 10862..11165, 11259..11296, 11391..11611		

Seq. No. 39634 Seq. ID OJ991020_11.0303.C3
Gene No. 81922 Strand -
Start 3848 End 11695
Name OJ991020_11.0303.C3.o1.np Method AAT/NAP
Start 3851 End 8737
GI 1711572 Score 956
Exons 3851..3987, 4591..4672, 5043..5105, 5571..5694, 5772..5942, 6374..6583, 7951..8137, 8680..8737
GI Descrip. SUCCINYL-COA LIGASE [GDP-FORMING] ALPHA-CHAIN, MITOCHONDRIAL PRECURSOR (SUCCINYL-COA SYNTHETASE, ALPHA CHAIN) (SCS-ALPHA) gi|1076415|pir||S30579 succinate--CoA ligase (GDP-forming) (EC 6.2.1.4) alpha chain - Arabidopsis thaliana (fragment) gi|16510|emb|CAA48891| (X69138) succinate--CoA ligase (GDP-forming) [Arabidopsis thaliana]

Seq. No. 39634 Seq. ID OJ991020_11.0303.C3
Gene No. 81922 Strand -
Start 3848 End 11695
Name OJ991020_11.0303.C3.o3.gp Method AAT/GAP
Start 4641 End 8067
GI 390_1.R1084 Score 938
Exons 4641..4681, 5050..5104, 5571..5761, 5868..5942, 6374..6583, 7951..8067
GI Descrip. '3660467/emb|CAA05023| 6.0e-64 (AJ001807) succinyl-CoA-ligase alpha subunit [Arabidopsis thaliana]'

Seq. No. 39634 Seq. ID OJ991020_11.0303.C3
Gene No. 81922 Strand -
Start 3848 End 11695
Name OJ991020_11.0303.C3.o4.gp Method AAT/GAP
Start 10056 End 11695
GI 757_1.R1084 Score 2011
Exons 10056..10327, 10542..10752, 10862..11165, 11259..11296, 11391..11695
GI Descrip. '1076724/pir||S52341 1.0e-114 LHCI-680, photosystem I antenna protein - barley.>gi_666054_emb_CAA59049_ (X84308) LHCI-680, photosystem I antenna protein [Hordeum vulgare]'

Seq. No. 39634 Seq. ID OJ991020_11.0303.C3
Gene No. 81922 Strand -
Start 3848 End 11695
Name OJ991020_11.0303.C3.o2.np Method AAT/NAP
Start 10527 End 11614
GI 2306981 Score 1150
Exons 10527..10752, 10862..11165, 11259..11296, 11391..11614
GI Descrip. (AF010321) photosystem I antenna protein [Oryza sativa]

Seq. No. 39634 Seq. ID OJ991020_11.0303.C3
Gene No. 81923 Strand -
Start 12217 End 15171
Name OJ991020_11.0303.C3.o3.np Method AAT/NAP
Start 12217 End 15171
GI 6498436 Score 340
Exons 12217..12335, 12599..12921, 15130..15171
GI Descrip. (AP000815) hypothetical protein [Oryza sativa]

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81924	Strand	-
Start	15226	End	16483
Name	OJ991020_11.0303.C3.o3.gs	Method	GENSCAN
Start	15226	End	16287
GI	none	Score	1
Exons	15226..16287		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81924	Strand	-
Start	15226	End	16483
Name	OJ991020_11.0303.C3.o6.gp	Method	AAT/GAP
Start	15499	End	16483
GI	5977 1.R1084	Score	1916
Exons	15499..16483		
GI Descrip.	'5669894/gb AAD46501.1 AF148805_6 7.0e-15 (AF148805) latent nuclear antigen [Kaposi's sarcoma-associated herpesvirus]'		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o3.tm	Method	TBLASTX:Maize
Start	3774	End	8157
GI	none	Score	55
Exons	3774..3809, 3775..3807, 3811..3837, 3830..3988, 3834..3989, 4576..4611, 4586..4675, 4587..4673, 4592..4675, 4626..4697, 5041..5118, 5042..5119, 5541..5630, 5571..5633, 5572..5634, 5575..5634, 5614..5694, 5630..5713, 5633..5695, 5637..5711, 5868..5942, 5868..5942, 5869..5943, 6371..6583, 6372..6584, 6489..6584, 7891..8040, 7949..8041, 8046..8156, 8047..8157		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o3.ts	Method	TBLASTX:Soybean
Start	3778	End	6421
GI	none	Score	178
Exons	3778..3816, 3848..3988, 3861..3989, 3867..4022, 4586..4681, 4587..4673, 4592..4681, 5571..5633, 5575..5634, 5614..5694, 5630..5695, 5868..5942, 5869..5943, 6369..6416, 6371..6421		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o4.tc	Method	TBLASTX:Cress
Start	3848	End	8041
GI	none	Score	131
Exons	3848..3985, 3849..4022, 3861..3986, 4586..4675, 4592..4681, 5571..5633, 5581..5634, 5614..5694, 5633..5695, 5868..5942, 5869..5943, 6371..6583, 6372..6584, 7891..8022, 7891..8040, 7949..8041		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	10110	End	11292

GI	none	Score	55
Exons	10110..10226, 10270..10329, 10530..10751, 10531..10752, 10614..10757, 10627..10755, 10859..11167, 10859..10957, 10879..11166, 11057..11167, 11257..11292		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o2.ts	Method	TBLASTX:Soybean
Start	10530	End	11447
GI	none	Score	280
Exons	10530..10751, 10531..10752, 10627..10752, 10859..11164, 10871..10957, 10879..11163, 11260..11298, 11391..11447, 11393..11446		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	10530	End	11151
GI	none	Score	172
Exons	10530..10712, 10531..10710, 10701..10769, 10702..10770, 10882..11151, 10883..11146		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	10530	End	10963
GI	none	Score	319
Exons	10530..10751, 10531..10752, 10614..10757, 10633..10755, 10859..10963, 10859..10957, 10879..10962		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o2.tw	Method	TBLASTX:Wheat
Start	10965	End	11447
GI	none	Score	59
Exons	10965..11009, 10999..11166, 11009..11167, 11197..11244, 11257..11298, 11387..11443, 11391..11447, 11391..11435, 11393..11446		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o5.tm	Method	TBLASTX:Maize
Start	16041	End	16462
GI	none	Score	94
Exons	16041..16154, 16045..16143, 16105..16143, 16127..16306, 16164..16301, 16199..16306, 16373..16462, 16379..16462		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o4.gs	Method	GENSCAN
Start	17134	End	23769

GI	none	Score	.58
Exons	17134..17231, 17387..17534, 19308..19381, 19592..19725, 21131..21173, 22192..23448, 23706..23769		
Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o5.np	Method	AAT/NAP
Start	17137	End	19706
GI	477134	Score	360
Exons	17137..17231, 17387..17534, 19308..19381, 19592..19706		
GI Descrip.	ubiquitin-conjugating enzyme ubc-2 - <i>Caenorhabditis elegans</i>		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	22187	End	23444
GI	none	Score	91
Exons	22187..22426, 22190..22429, 22481..23443, 22497..22946, 22709..22963, 22983..23444		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o6.np	Method	AAT/NAP
Start	22187	End	23510
GI	4220485	Score	1189
Exons	22187..23510		
GI Descrip.	(AC006069) putative beta-1,3-glucanase [<i>Arabidopsis thaliana</i>]		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o2.tc	Method	TBLASTX:Cress
Start	22190	End	22730
GI	none	Score	80
Exons	22190..22390, 22191..22394, 22475..22681, 22491..22682, 22697..22729, 22698..22730		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	22232	End	23227
GI	none	Score	87
Exons	22232..22429, 22233..22424, 22481..22690, 22518..22688, 22682..23227, 22698..22958, 22995..23213		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o5.tc	Method	TBLASTX:Cress
Start	22730	End	23068
GI	none	Score	107
Exons	22730..22978, 22761..22961, 23030..23068		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o3.tc	Method	TBLASTX:Cress
Start	22979	End	23461
GI	none	Score	132
Exons	22979..23020, 23115..23249, 23120..23461, 23301..23438		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o3.tw	Method	TBLASTX:Wheat
Start	23153	End	23437
GI	none	Score	200
Exons	23153..23437		

Seq. No.	39634	Seq. ID	OJ991020_11.0303.C3
Gene No.	81925	Strand	-
Start	17134	End	23769
Name	OJ991020_11.0303.C3.o4.tm	Method	TBLASTX:Maize
Start	23228	End	23428
GI	none	Score	248
Exons	23228..23428, 23228..23428		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81926	Strand	+
Start	1	End	7014
Name	OJ991020_11.0303.C4.o1.np	Method	AAT/NAP
Start	1	End	2369
GI	4680183	Score	145
Exons	1..43, 1627..1695, 2278..2369		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81926	Strand	+
Start	1	End	7014
Name	OJ991020_11.0303.C4.o1.gs	Method	GENSCAN
Start	874	End	7014
GI	none	Score	.42
Exons	874..1048, 1119..1222, 1627..1695, 2148..2325, 3771..4044, 4132..4191, 5746..5887, 6002..6136, 6824..7014		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81927	Strand	+
Start	8511	End	11463
Name	OJ991020_11.0303.C4.o2.gs	Method	GENSCAN
Start	8511	End	11463
GI	none	Score	.77
Exons	8511..8756, 8828..8923, 9097..9270, 9719..9749, 10205..10524, 10530..11156, 11188..11463		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81928	Strand	+
Start	12210	End	14098
Name	OJ991020_11.0303.C4.o3.gs	Method	GENSCAN
Start	12210	End	14098
GI	none	Score	1

Exons 12210..12655, 12733..14098

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81928	Strand	+
Start	12210	End	14098
Name	OJ991020_11.0303.C4.o2.np	Method	AAT/NAP
Start	12234	End	14092
GI	4887010	Score	1762
Exons	12234..12655, 12733..14092		
GI Descrip.	(AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81929	Strand	+
Start	14907	End	17113
Name	OJ991020_11.0303.C4.o3.np	Method	AAT/NAP
Start	14907	End	16743
GI	7485791	Score	105
Exons	14907..15043, 16725..16743		
GI Descrip.	hypothetical protein F19F24.9 - Arabidopsis thaliana gi 3004564 gb AAC09037.1 (AC003673) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81929	Strand	+
Start	14907	End	17113
Name	OJ991020_11.0303.C4.o5.gs	Method	GENSCAN
Start	16313	End	17113
GI	none	Score	.71
Exons	16313..16438, 16925..17113		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81930	Strand	-
Start	14181	End	15740
Name	OJ991020_11.0303.C4.o4.gs	Method	GENSCAN
Start	14181	End	15740
GI	none	Score	.47
Exons	14181..14397, 14448..14842, 14871..15328, 15393..15662, 15728..15740		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81931	Strand	-
Start	17617	End	17734
Name	OJ991020_11.0303.C4.o4.np	Method	AAT/NAP
Start	17617	End	17734
GI	5922630	Score	143
Exons	17617..17734		
GI Descrip.	(AP000492) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016863 dbj BAA85206.1 (AP000570) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81932	Strand	-
Start	20159	End	27941
Name	OJ991020_11.0303.C4.o6.gs	Method	GENSCAN
Start	20159	End	24831

GI	none	Score	.61
Exons	20159..20785, 20845..21151, 24380..24831		
Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81932	Strand	-
Start	20159	End	27941
Name	OJ991020_11.0303.C4.o5.np	Method	AAT/NAP
Start	20195	End	24804
GI	4887010	Score	1466
Exons	20195..21202, 24380..24804		
GI Descrip.	(AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81932	Strand	-
Start	20159	End	27941
Name	OJ991020_11.0303.C4.o6.np	Method	AAT/NAP
Start	24703	End	27941
GI	5852093	Score	51
Exons	24703..24788, 26449..26567, 27887..27941		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81932	Strand	-
Start	20159	End	27941
Name	OJ991020_11.0303.C4.o7.gs	Method	GENSCAN
Start	25582	End	27150
GI	none	Score	.51
Exons	25582..25596, 26675..26956, 27046..27150		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o3.ts	Method	TBLASTX:Soybean
Start	8610	End	9246
GI	none	Score	171
Exons	8610..8756, 8618..8758, 9081..9230, 9094..9246		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o5.tm	Method	TBLASTX:Maize
Start	9346	End	9506
GI	none	Score	108
Exons	9346..9504, 9353..9499, 9354..9506, 9360..9500		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o3.tm	Method	TBLASTX:Maize
Start	12195	End	24759
GI	none	Score	350
Exons	12195..12605, 12210..12374, 12344..12604, 24427..24759, 24430..24552, 24431..24718		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577

Name	OJ991020_11.0303.C4.o2.ts	Method	TBLASTX:Soybean
Start	12246	End	24784
GI	none	Score	121
Exons	12246..12377, 12279..12398, 12407..12652, 12414..12656, 12692..12862, 12724..12861, 21074..21199, 21076..21225, 24379..24612, 24383..24640, 24619..24756, 24644..24784		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o2.tc	Method	TBLASTX:Cress
Start	12276	End	24750
GI	none	Score	115
Exons	12276..12404, 12413..12652, 12414..12656, 12692..12832, 12724..12831, 21103..21225, 21104..21199, 24373..24552, 24379..24615, 24383..24619, 24628..24750, 24629..24718		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o2.tm	Method	TBLASTX:Maize
Start	12756	End	21177
GI	none	Score	86
Exons	12756..12857, 12757..12861, 12757..12858, 12758..12862, 12871..12978, 12875..12979, 12876..13004, 12976..13140, 12977..13141, 12986..13141, 20797..20964, 20798..20965, 20959..21096, 20960..21043, 21015..21068, 21034..21081, 21076..21177, 21080..21172		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	12886	End	21045
GI	none	Score	283
Exons	12886..13032, 12893..13150, 12974..13090, 13157..13282, 13159..13281, 13268..13411, 13276..13410, 13430..13669, 13486..13581, 13658..13768, 13690..13764, 13808..14089, 13822..14079, 20195..20278, 20267..20506, 20343..20453, 20525..20668, 20526..20660, 20654..20782, 20655..20777, 20758..21045, 20849..21043		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o1.tc	Method	TBLASTX:Cress
Start	12893	End	21045
GI	none	Score	194
Exons	12893..13063, 12895..13032, 13171..13326, 13174..13422, 13175..13423, 13175..13423, 13427..13669, 13486..13587, 13658..13768, 13681..13758, 13793..14074, 13808..14089, 13822..14088, 20195..20278, 20267..20509, 20343..20453, 20525..20761, 20526..20762, 20788..20826, 20875..21045, 20906..21043		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-

Start	28515	End	28577
Name	OJ991020_11.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	13187	End	20749
GI	none	Score	265
Exons	13187..13414, 13207..13413, 13436..13534, 13436..13534, 20402..20500, 20403..20453, 20522..20749, 20526..20744		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	13333	End	20603
GI	none	Score	129
Exons	13333..13410, 13334..13414, 13334..13411, 13421..13594, 13427..13669, 13658..13723, 20213..20278, 20218..20241, 20267..20509, 20343..20453, 20522..20602, 20526..20603, 20547..20603		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o4.tm	Method	TBLASTX:Maize
Start	13790	End	20209
GI	none	Score	134
Exons	13790..13894, 13811..13900, 13819..13899, 13882..14094, 13883..14095, 13901..14095, 13965..14096, 13978..14103, 20171..20209		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o6.tm	Method	TBLASTX:Maize
Start	14859	End	15044
GI	none	Score	200
Exons	14859..15044, 14915..15040		

Seq. No.	39635	Seq. ID	OJ991020_11.0303.C4
Gene No.	81933	Strand	-
Start	28515	End	28577
Name	OJ991020_11.0303.C4.o1.gp	Method	AAT/GAP
Start	28515	End	28577
GI	4715947	Score	73
Exons	28515..28577		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	39636	Seq. ID	OJ991020_11.0303.C5
Gene No.	81934	Strand	+
Start	458	End	547
Name	OJ991020_11.0303.C5.o1.gs	Method	GENSCAN
Start	458	End	547
GI	none	Score	.45
Exons	458..547		

Seq. No.	39636	Seq. ID	OJ991020_11.0303.C5
Gene No.	81935	Strand	-
Start	1	End	2448
Name	OJ991020_11.0303.C5.o1.gp	Method	AAT/GAP
Start	1	End	2448
GI	33820_1.R1084	Score	1115
Exons	1..332, 480..556, 1075..1107, 1479..1541, 2331..2448		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	39636	Seq. ID	OJ991020_11.0303.C5
Gene No.	81936	Strand	-
Start	3010	End	3129
Name	OJ991020_11.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	479	End	2451
GI	none	Score	125
Exons	479..559, 480..557, 1075..1113, 1467..1544, 1471..1542, 1480..1554, 2328..2447, 2329..2451, 2332..2451		

Seq. No.	39636	Seq. ID	OJ991020_11.0303.C5
Gene No.	81936	Strand	-
Start	3010	End	3129
Name	OJ991020_11.0303.C5.o2.gs	Method	GENSCAN
Start	3010	End	3129
GI	none	Score	.67
Exons	3010..3129		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81937	Strand	+
Start	845	End	3379
Name	OJ991020_11.0303.C6.o1.np	Method	AAT/NAP
Start	845	End	3367
GI	7486437	Score	1289
Exons	845..941, 1848..3367		
GI Descrip.	hypothetical protein F4I1.4 - Arabidopsis thaliana gi 3128170 gb AAC16074.1 (AC004521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81937	Strand	+
Start	845	End	3379
Name	OJ991020_11.0303.C6.o1.gs	Method	GENSCAN
Start	866	End	3379
GI	none	Score	.73
Exons	866..941, 1839..3379		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81938	Strand	-
Start	3222	End	3544
Name	OJ991020_11.0303.C6.o1.gp	Method	AAT/GAP
Start	3222	End	3544
GI	none	Score	642
Exons	3222..3544		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	1847	End	2161
GI	none	Score	67
Exons	1847..1924, 1945..2055, 1946..2059, 2072..2116, 2132..2161		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o2.tc	Method	TBLASTX:Cress
Start	1850	End	2208
GI	none	Score	74
Exons	1850..1927, 1946..2050, 2105..2200, 2128..2208		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	2020	End	3223
GI	none	Score	161
Exons	2020..2052, 2108..2251, 2113..2226, 2435..2971, 2449..2958, 2684..2959, 2972..3079, 3167..3223		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	2210	End	2956
GI	none	Score	94
Exons	2210..2353, 2212..2355, 2434..2880, 2435..2884, 2873..2956		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	2407	End	3367
GI	none	Score	242
Exons	2407..2661, 2435..2665, 2620..2970, 2621..2971, 2920..3066, 2972..3088, 3166..3213, 3167..3211, 3293..3367, 3316..3366		

Seq. No.	39637	Seq. ID	OJ991020_11.0303.C6
Gene No.	81939	Strand	-
Start	4051	End	4344
Name	OJ991020_11.0303.C6.o2.gs	Method	GENSCAN
Start	4051	End	4344
GI	none	Score	.78
Exons	4051..4063, 4226..4344		

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81940	Strand	+
Start	447	End	1830
Name	OJ991020_11.0303.C7.o1.gp	Method	AAT/GAP
Start	447	End	1112
GI	uC-osflcyp111a11b1	Score	868
Exons	447..560, 640..786, 918..1112		

GI Descrip. '1652856/dbj|BAA17774| 1.0e-18 (D90909) hypothetical protein [Synechocystis sp.]'

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81940	Strand	+
Start	447	End	1830
Name	OJ991020_11.0303.C7.o1.np	Method	AAT/NAP
Start	622	End	1830
GI	7485781	Score	76
Exons	622..786, 918..1089, 1796..1830		
GI Descrip.	hypothetical protein F19F24.15 - Arabidopsis thaliana gi 3004556 gb AAC09029.1 (AC003673) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81941	Strand	-
Start	447	End	1828
Name	OJ991020_11.0303.C7.o1.tc	Method	TBLASTX:Cress
Start	433	End	781
GI	none	Score	36
Exons	433..462, 472..558, 472..585, 507..587, 637..753, 641..781, 728..781		

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81941	Strand	-
Start	447	End	1828
Name	OJ991020_11.0303.C7.o1.gs	Method	GENSCAN
Start	447	End	1640
GI	none	Score	.61
Exons	447..625, 1562..1640		

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81941	Strand	-
Start	447	End	1828
Name	OJ991020_11.0303.C7.o1.ts	Method	TBLASTX:Soybean
Start	471	End	1820
GI	none	Score	134
Exons	471..557, 472..558, 640..753, 641..787, 653..799, 898..1143, 916..1146, 1023..1166, 1745..1792, 1747..1818, 1753..1818, 1776..1820		

Seq. No.	39638	Seq. ID	OJ991020_11.0303.C7
Gene No.	81941	Strand	-
Start	447	End	1828
Name	OJ991020_11.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	665	End	1828
GI	none	Score	172
Exons	665..787, 665..796, 898..1143, 899..991, 916..1146, 1023..1166, 1747..1818, 1753..1818, 1754..1828, 1776..1820		

Seq. No.	39639	Seq. ID	OJ991220_12.0308.C2
Gene No.	81942	Strand	-
Start	193	End	325
Name	OJ991220_12.0308.C2.o1.gp	Method	AAT/GAP
Start	193	End	325
GI	none	Score	233
Exons	193..325		

Seq. No.	39640	Seq. ID	OJ991220_12.0308.C3
Gene No.	81943	Strand	
Start	1	End	591
Name	OJ991220_12.0308.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	286
GI	none	Score	114
Exons	1..72, 2..88, 2..82, 3..86, 185..286, 199..285		

Seq. No.	39640	Seq. ID	OJ991220_12.0308.C3
Gene No.	81943	Strand	
Start	1	End	591
Name	OJ991220_12.0308.C3.o1.tc	Method	TBLASTX:Cress
Start	2	End	591
GI	none	Score	84
Exons	2..61, 3..89, 4..60, 191..589, 199..591		

Seq. No.	39641	Seq. ID	OJ991220_12.0308.C4
Gene No.	81944	Strand	+
Start	8710	End	9072
Name	OJ991220_12.0308.C4.o1.tm	Method	TBLASTX:Maize
Start	28	End	759
GI	none	Score	74
Exons	28..90, 34..87, 35..100, 36..107, 36..128, 74..235, 99..236, 133..234, 570..743, 575..673, 576..743, 577..759, 577..756		

Seq. No.	39641	Seq. ID	OJ991220_12.0308.C4
Gene No.	81944	Strand	+
Start	8710	End	9072
Name	OJ991220_12.0308.C4.o3.tm	Method	TBLASTX:Maize
Start	4994	End	5241
GI	none	Score	184
Exons	4994..5062, 4995..5162, 4995..5141, 4996..5163, 5008..5199, 5111..5200, 5150..5212, 5152..5232, 5159..5212, 5161..5241, 5181..5240		

Seq. No.	39641	Seq. ID	OJ991220_12.0308.C4
Gene No.	81944	Strand	+
Start	8710	End	9072
Name	OJ991220_12.0308.C4.o2.tm	Method	TBLASTX:Maize
Start	5803	End	7507
GI	none	Score	94
Exons	5803..5841, 5871..5993, 5878..5973, 6190..6246, 6239..6310, 6252..6311, 6252..6308, 7241..7366, 7242..7364, 7244..7366, 7456..7506, 7457..7507		

Seq. No.	39641	Seq. ID	OJ991220_12.0308.C4
Gene No.	81944	Strand	+
Start	8710	End	9072
Name	OJ991220_12.0308.C4.o1.gp	Method	AAT/GAP
Start	8710	End	9072
GI	59130_1.R1084	Score	686
Exons	8710..9072		
GI Descrip.	'567893 7.0e-30 (L37382) beta-galactosidase-complementation protein [Cloning vector]'		

Seq. No.	39641	Seq. ID	OJ991220_12.0308.C4
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Gene No.	81945	Strand	
Start	9700	End	10046
Name	OJ991220_12.0308.C4.o1.ts	Method	TBLASTX:Soybean
Start	9700	End	10046
GI	none	Score	116
Exons	9700..9735, 9852..10046, 9880..10038, 9927..10034		
Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81946	Strand	-
Start	2608	End	3401
Name	OJ991220_12.0308.C5.o1.gp	Method	AAT/GAP
Start	2608	End	3401
GI	2310899	Score	638
Exons	2608..2751, 3178..3401		
GI Descrip.	4584538/emb CAB40768.1 1.0e-12 (AL049608) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81947	Strand	-
Start	4449	End	5398
Name	OJ991220_12.0308.C5.o2.gp	Method	AAT/GAP
Start	4449	End	5398
GI	79912_1.R1084	Score	1124
Exons	4449..4837, 4949..5074, 5155..5249, 5330..5398		
GI Descrip.	'2270994 7.0e-35 (AF004809) Ca+2-binding EF hand protein [Glycine max]'		
Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o1.tm	Method	TBLASTX:Maize
Start	1175	End	1555
GI	none	Score	172
Exons	1175..1342, 1177..1341, 1324..1554, 1325..1555		
Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o1.tc	Method	TBLASTX:Cress
Start	4687	End	5878
GI	none	Score	67
Exons	4687..4827, 4730..4825, 4948..5076, 4949..5077, 5152..5247, 5157..5240, 5330..5416, 5331..5417, 5519..5599, 5520..5597, 5631..5672, 5648..5674, 5792..5878		
Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o2.tm	Method	TBLASTX:Maize
Start	4697	End	5187
GI	none	Score	191
Exons	4697..4885, 4711..4833, 4943..5077, 4947..5024, 4948..5079, 4948..5076, 5150..5179, 5153..5185, 5157..5186, 5158..5187		
Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138

Name	OJ991220_12.0308.C5.o1.tw	Method	TBLASTX:Wheat
Start	4711	End	5222
GI	none	Score	62
Exons	4711..4830, 4712..4831, 4948..5076, 4949..5077, 5157..5222		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o1.ts	Method	TBLASTX:Soybean
Start	4718	End	5881
GI	none	Score	105
Exons	4718..4837, 4720..4833, 4943..5068, 4948..5076, 5155..5247, 5157..5240, 5330..5416, 5481..5609, 5519..5599, 5792..5881		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o3.tm	Method	TBLASTX:Maize
Start	5208	End	5680
GI	none	Score	42
Exons	5208..5240, 5223..5255, 5330..5413, 5330..5419, 5519..5680, 5520..5678, 5632..5679		

Seq. No.	39642	Seq. ID	OJ991220_12.0308.C5
Gene No.	81948	Strand	-
Start	5562	End	6138
Name	OJ991220_12.0308.C5.o3.gp	Method	AAT/GAP
Start	5562	End	6138
GI	68583_1.R1084	Score	753
Exons	5562..5676, 5791..6138		
GI Descrip.	'1177320/emb CAA61981 6.0e-12 (X89891) EFA27 for EF hand, abscisic acid, 27kD [Oryza sativa]'		

Seq. No.	39643	Seq. ID	OJ991220_12.0308.C6
Gene No.	81949	Strand	-
Start	2613	End	2711
Name	OJ991220_12.0308.C6.o1.gp	Method	AAT/GAP
Start	2613	End	2711
GI	LIB3477-003-P1-K1-E9	Score	105
Exons	2613..2711		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39644	Seq. ID	OJ991220_12.0308.C7
Gene No.	81950	Strand	-
Start	898	End	2524
Name	OJ991220_12.0308.C7.o1.gp	Method	AAT/GAP
Start	898	End	2524
GI	248_1.R1084	Score	1729
Exons	898..1289, 1427..1552, 1661..1755, 1859..1944, 2196..2345, 2447..2524		
GI Descrip.	'1177320/emb CAA61981 1.0e-132 (X89891) EFA27 for EF hand, abscisic acid, 27kD [Oryza sativa]'		

Seq. No.	39644	Seq. ID	OJ991220_12.0308.C7
Gene No.	81950	Strand	-

Start	898	End	2524
Name	OJ991220_12.0308.C7.o1.ts	Method	TBLASTX:Soybean
Start	1136	End	2520
GI	none	Score	68
Exons	1136..1288, 1182..1286, 1184..1297, 1429..1554, 1430..1546, 1660..1764, 1664..1756, 1859..1957, 1860..1952, 2195..2260, 2200..2346, 2206..2343, 2448..2516, 2449..2520		

Seq. No.	39644	Seq. ID	OJ991220_12.0308.C7
Gene No.	81950	Strand	-
Start	898	End	2524
Name	OJ991220_12.0308.C7.o1.tc	Method	TBLASTX:Cress
Start	1137	End	2522
GI	none	Score	91
Exons	1137..1286, 1148..1288, 1172..1297, 1426..1539, 1429..1563, 1430..1555, 1654..1767, 1655..1747, 1657..1755, 1859..1957, 1860..1946, 2195..2272, 2206..2346, 2206..2343, 2448..2522, 2449..2520		

Seq. No.	39644	Seq. ID	OJ991220_12.0308.C7
Gene No.	81950	Strand	-
Start	898	End	2524
Name	OJ991220_12.0308.C7.o1.tm	Method	TBLASTX:Maize
Start	1217	End	2520
GI	none	Score	69
Exons	1217..1288, 1660..1764, 1661..1747, 1859..1957, 1860..1946, 2204..2344, 2206..2343, 2209..2346, 2448..2516, 2449..2520		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	-
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o1.tw	Method	TBLASTX:Wheat
Start	1046	End	1333
GI	none	Score	178
Exons	1046..1108, 1048..1110, 1097..1333, 1180..1332		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	-
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o2.tc	Method	TBLASTX:Cress
Start	1163	End	1477
GI	none	Score	238
Exons	1163..1477, 1174..1470		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	-
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o2.tm	Method	TBLASTX:Maize
Start	1163	End	1380
GI	none	Score	200
Exons	1163..1345, 1174..1380, 1201..1374		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	-
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o1.ts	Method	TBLASTX:Soybean
Start	1181	End	2753

GI	none	Score	211
Exons	1181..1483, 1183..1482, 1575..1634, 1659..2099, 1684..2022, 2064..2159, 2322..2459, 2356..2472, 2357..2503, 2396..2473, 2550..2705, 2552..2692, 2552..2746, 2553..2753		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o1.tm	Method	TBLASTX:Maize
Start	1381	End	1811
GI	none	Score	112
Exons	1381..1482, 1382..1483, 1554..1658, 1558..1662, 1656..1811, 1657..1809		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o5.tm	Method	TBLASTX:Maize
Start	1818	End	2135
GI	none	Score	130
Exons	1818..2024, 1819..1974, 2058..2135		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o1.tc	Method	TBLASTX:Cress
Start	2037	End	2768
GI	none	Score	124
Exons	2037..2162, 2349..2459, 2360..2476, 2360..2458, 2549..2692, 2558..2767, 2559..2768, 2571..2768		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81951	Strand	
Start	1046	End	2830
Name	OJ991220_12.0308.C9.o4.tm	Method	TBLASTX:Maize
Start	2366	End	2830
GI	none	Score	189
Exons	2366..2455, 2555..2830		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81952	Strand	
Start	2771	End	3482
Name	OJ991220_12.0308.C9.o2.ts	Method	TBLASTX:Soybean
Start	2771	End	3482
GI	none	Score	74
Exons	2771..2890, 2774..2893, 3003..3089, 3022..3090, 3305..3457, 3308..3481, 3318..3482		

Seq. No.	39645	Seq. ID	OJ991220_12.0308.C9
Gene No.	81952	Strand	
Start	2771	End	3482
Name	OJ991220_12.0308.C9.o3.tm	Method	TBLASTX:Maize
Start	3317	End	3461
GI	none	Score	187
Exons	3317..3454, 3318..3452, 3318..3461		

Seq. No.	39646	Seq. ID	OJ991220_12.0308.C10
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Gene No.	81953	Strand	-
Start	1936	End	2156
Name	OJ991220_12.0308.C10.o1.gp	Method	AAT/GAP
Start	1936	End	2156
GI	none	Score	379
Exons	1936..2156		
Seq. No.	39647	Seq. ID	OJ991220_12.0308.C11
Gene No.	81954	Strand	-
Start	3650	End	4000
Name	OJ991220_12.0308.C11.o1.gp	Method	AAT/GAP
Start	3650	End	4000
GI	none	Score	636
Exons	3650..4000		
Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81955	Strand	-
Start	913	End	1075
Name	OJ991220_12.0308.C12.o1.gp	Method	AAT/GAP
Start	913	End	1075
GI	none	Score	297
Exons	913..1075		
Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81956	Strand	-
Start	1083	End	1739
Name	OJ991220_12.0308.C12.o2.gp	Method	AAT/GAP
Start	1083	End	1603
GI	LIB3434-051-P1-K1-B3	Score	813
Exons	1083..1168, 1252..1603		
GI Descrip.	'4204286 1.0e-13 (AC003027) Unknown protein [Arabidopsis thaliana]'		
Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81956	Strand	-
Start	1083	End	1739
Name	OJ991220_12.0308.C12.o4.tm	Method	TBLASTX:Maize
Start	1285	End	1739
GI	none	Score	106
Exons	1285..1386, 1286..1387, 1287..1451, 1292..1393, 1427..1459, 1489..1617, 1491..1616, 1566..1667, 1616..1666, 1623..1685, 1651..1734, 1674..1733, 1691..1738, 1692..1739		
Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81957	Strand	-
Start	5936	End	6221
Name	OJ991220_12.0308.C12.o7.tw	Method	TBLASTX:Wheat
Start	5936	End	6221
GI	none	Score	87
Exons	5936..5974, 5937..6026, 5985..6221, 6032..6220		
Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81958	Strand	-
Start	6890	End	7306
Name	OJ991220_12.0308.C12.o5.tw	Method	TBLASTX:Wheat
Start	6890	End	7306
GI	none	Score	110

Exons	6890..7009, 6898..6999, 7070..7306, 7072..7296		
Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81959	Strand	
Start	7499	End	7984
Name	OJ991220_12.0308.C12.o1.tw	Method	TBLASTX:Wheat
Start	7499	End	7954
GI	none	Score	567
Exons	7499..7954, 7507..7953		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81959	Strand	
Start	7499	End	7984
Name	OJ991220_12.0308.C12.o2.ts	Method	TBLASTX:Soybean
Start	7538	End	7903
GI	none	Score	109
Exons	7538..7762, 7769..7903		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81959	Strand	
Start	7499	End	7984
Name	OJ991220_12.0308.C12.o1.tm	Method	TBLASTX:Maize
Start	7628	End	7984
GI	none	Score	427
Exons	7628..7984, 7690..7983		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81960	Strand	
Start	8012	End	8548
Name	OJ991220_12.0308.C12.o3.tm	Method	TBLASTX:Maize
Start	8012	End	8395
GI	none	Score	311
Exons	8012..8395, 8039..8149, 8046..8228, 8176..8394		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81960	Strand	
Start	8012	End	8548
Name	OJ991220_12.0308.C12.o2.tw	Method	TBLASTX:Wheat
Start	8069	End	8493
GI	none	Score	449
Exons	8069..8491, 8114..8458, 8170..8493		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81960	Strand	
Start	8012	End	8548
Name	OJ991220_12.0308.C12.o1.ts	Method	TBLASTX:Soybean
Start	8123	End	8548
GI	none	Score	298
Exons	8123..8548, 8182..8307		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81961	Strand	
Start	8619	End	9044
Name	OJ991220_12.0308.C12.o6.tw	Method	TBLASTX:Wheat
Start	8619	End	9044
GI	none	Score	172
Exons	8619..8861, 8684..8863, 8889..9044, 8973..9044		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81962	Strand	
Start	9087	End	9341
Name	OJ991220_12.0308.C12.o8.tw	Method	TBLASTX:Wheat
Start	9087	End	9341
GI	none	Score	176
Exons	9087..9341		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81963	Strand	
Start	9432	End	9929
Name	OJ991220_12.0308.C12.o2.tm	Method	TBLASTX:Maize
Start	9432	End	9893
GI	none	Score	339
Exons	9432..9893, 9551..9751, 9779..9892		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81963	Strand	
Start	9432	End	9929
Name	OJ991220_12.0308.C12.o4.tw	Method	TBLASTX:Wheat
Start	9546	End	9929
GI	none	Score	354
Exons	9546..9929, 9581..9928		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81964	Strand	
Start	10052	End	10660
Name	OJ991220_12.0308.C12.o3.tw	Method	TBLASTX:Wheat
Start	10052	End	10660
GI	none	Score	339
Exons	10052..10504, 10057..10134, 10201..10308, 10529..10660, 10534..10659		

Seq. No.	39648	Seq. ID	OJ991220_12.0308.C12
Gene No.	81964	Strand	
Start	10052	End	10660
Name	OJ991220_12.0308.C12.o5.tm	Method	TBLASTX:Maize
Start	10358	End	10624
GI	none	Score	141
Exons	10358..10540, 10415..10540, 10534..10590, 10541..10624		

Seq. No.	39649	Seq. ID	OJ991220_12.0308.C14
Gene No.	81965	Strand	
Start	1107	End	2746
Name	OJ991220_12.0308.C14.o1.tc	Method	TBLASTX:Cress
Start	1107	End	2744
GI	none	Score	110
Exons	1107..1178, 1182..1283, 1195..1281, 1372..1530, 1386..1529, 2634..2744		

Seq. No.	39649	Seq. ID	OJ991220_12.0308.C14
Gene No.	81965	Strand	
Start	1107	End	2746
Name	OJ991220_12.0308.C14.o1.tw	Method	TBLASTX:Wheat
Start	1117	End	1415
GI	none	Score	159

Exons 1117..1281, 1125..1283, 1386..1415

Seq. No. 39649 Seq. ID OJ991220_12.0308.C14
Gene No. 81965 Strand
Start 1107 End 2746
Name OJ991220_12.0308.C14.o1.tm Method TBLASTX:Maize
Start 1120 End 2746
GI none Score 178
Exons 1120..1281, 1120..1281, 1125..1283, 1372..1539, 1386..1547,
1386..1532, 1390..1545, 1521..1556, 2404..2496, 2637..2744,
2638..2745, 2681..2746

Seq. No. 39650 Seq. ID OJ991220_12.0308.C16
Gene No. 81966 Strand +
Start 835 End 1123
Name OJ991220_12.0308.C16.o1.gp Method AAT/GAP
Start 835 End 1123
GI 426253 Score 534
Exons 835..1123

Seq. No. 39650 Seq. ID OJ991220_12.0308.C16
Gene No. 81967 Strand +
Start 7400 End 7527
Name OJ991220_12.0308.C16.o2.gp Method AAT/GAP
Start 7400 End 7527
GI 746_1.R1084 Score 192
Exons 7400..7527
GI Descrip. '2160782 0.0e+00 (AF001505) putative ammonium transporter
OsAMT1p [Oryza sativa]'

Seq. No. 39651 Seq. ID OJ991220_12.0308.C17
Gene No. 81968 Strand +
Start 1 End 1277
Name OJ991220_12.0308.C17.o1.gp Method AAT/GAP
Start 1 End 1277
GI 746_1.R1084 Score 2369
Exons 1..1277
GI Descrip. '2160782 0.0e+00 (AF001505) putative ammonium transporter
OsAMT1p [Oryza sativa]'

Seq. No. 39651 Seq. ID OJ991220_12.0308.C17
Gene No. 81968 Strand +
Start 1 End 1277
Name OJ991220_12.0308.C17.o2.tm Method TBLASTX:Maize
Start 1 End 222
GI none Score 364
Exons 1..222, 1..129, 2..130, 3..218

Seq. No. 39651 Seq. ID OJ991220_12.0308.C17
Gene No. 81968 Strand +
Start 1 End 1277
Name OJ991220_12.0308.C17.o1.tc Method TBLASTX:Cress
Start 1 End 756
GI none Score 1025
Exons 1..756, 6..92, 16..135, 120..362, 463..540, 525..707

Seq. No. 39651 Seq. ID OJ991220_12.0308.C17

Gene No.	81968	Strand	+
Start	1	End	1277
Name	OJ991220_12.0308.C17.o1.ts	Method	TBLASTX:Soybean
Start	15	End	690
GI	none	Score	919
Exons	15..377, 16..690, 457..663, 525..683		

Seq. No.	39651	Seq. ID	OJ991220_12.0308.C17
Gene No.	81968	Strand	+
Start	1	End	1277
Name	OJ991220_12.0308.C17.o3.tm	Method	TBLASTX:Maize
Start	234	End	390
GI	none	Score	65
Exons	234..281, 235..282, 274..390, 297..389, 313..390		

Seq. No.	39651	Seq. ID	OJ991220_12.0308.C17
Gene No.	81968	Strand	+
Start	1	End	1277
Name	OJ991220_12.0308.C17.o1.tm	Method	TBLASTX:Maize
Start	391	End	807
GI	none	Score	608
Exons	391..807, 432..479, 525..806		

Seq. No.	39652	Seq. ID	OJ991220_12.0308.C19
Gene No.	81969	Strand	-
Start	5485	End	5831
Name	OJ991220_12.0308.C19.o1.gp	Method	AAT/GAP
Start	5485	End	5831
GI	LIB3433-048-P1-K1-F6	Score	586
Exons	5485..5831		
GI Descrip.	'5777612/emb AJ245900.1 OSA245900 4.0e-47 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	39653	Seq. ID	OJ991220_12.0308.C20
Gene No.	81970	Strand	
Start	5171	End	5602
Name	OJ991220_12.0308.C20.o1.ts	Method	TBLASTX:Soybean
Start	5171	End	5599
GI	none	Score	42
Exons	5171..5200, 5179..5199, 5319..5411, 5319..5411, 5323..5442, 5406..5462, 5414..5455, 5465..5599, 5466..5597		

Seq. No.	39653	Seq. ID	OJ991220_12.0308.C20
Gene No.	81970	Strand	
Start	5171	End	5602
Name	OJ991220_12.0308.C20.o1.tc	Method	TBLASTX:Cress
Start	5394	End	5599
GI	none	Score	96
Exons	5394..5462, 5465..5599, 5466..5597		

Seq. No.	39653	Seq. ID	OJ991220_12.0308.C20
Gene No.	81970	Strand	
Start	5171	End	5602
Name	OJ991220_12.0308.C20.o1.tm	Method	TBLASTX:Maize
Start	5462	End	5602
GI	none	Score	217
Exons	5462..5602, 5463..5597		

Seq. No.	39654	Seq. ID	OJ991220_12.0308.C21
Gene No.	81971	Strand	+
Start	2870	End	3364
Name	OJ991220_12.0308.C21.ol.gp	Method	AAT/GAP
Start	2870	End	3364
GI	uC-osroM202014g10b1	Score	689
Exons	2870..3198, 3306..3364		
GI Descrip.	'2914703 2.0e-15 (AC003974) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39654	Seq. ID	OJ991220_12.0308.C21
Gene No.	81972	Strand	
Start	3304	End	5656
Name	OJ991220_12.0308.C21.ol.tm	Method	TBLASTX:Maize
Start	3304	End	5652
GI	none	Score	73
Exons	3304..3342, 3305..3343, 3354..3530, 3430..3531, 3430..3534, 5536..5646, 5537..5647, 5537..5647, 5538..5651, 5539..5652		

Seq. No.	39654	Seq. ID	OJ991220_12.0308.C21
Gene No.	81972	Strand	
Start	3304	End	5656
Name	OJ991220_12.0308.C21.ol.tc	Method	TBLASTX:Cress
Start	5519	End	5656
GI	none	Score	202
Exons	5519..5656, 5536..5634, 5540..5641, 5541..5651		

Seq. No.	39654	Seq. ID	OJ991220_12.0308.C21
Gene No.	81972	Strand	
Start	3304	End	5656
Name	OJ991220_12.0308.C21.ol.ts	Method	TBLASTX:Soybean
Start	5519	End	5656
GI	none	Score	207
Exons	5519..5656, 5519..5635, 5536..5646		

Seq. No.	39655	Seq. ID	OJ991220_12.0308.C22
Gene No.	81973	Strand	+
Start	1071	End	1262
Name	OJ991220_12.0308.C22.ol.gp	Method	AAT/GAP
Start	1071	End	1262
GI	5667165	Score	352
Exons	1071..1262		
GI Descrip.	5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81974	Strand	+
Start	732	End	1433
Name	OJ991220_12.0308.C23.ol.gp	Method	AAT/GAP
Start	732	End	1433
GI	4715227	Score	788
Exons	732..982, 1104..1206, 1331..1433		
GI Descrip.	3820531/gb AAC69619.1 1.0e-38 (AF072736) beta-glucosidase [Pinus contorta]		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
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Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o1.tm	Method	TBLASTX:Maize
Start	723	End	11038
GI	none	Score	94
Exons	723..902, 725..901, 736..981, 737..982, 1104..1208, 1351..1434, 1557..1721, 1558..1722, 7648..7725, 7650..7706, 7875..7958, 7882..7959, 8022..8084, 8023..8085, 8023..8109, 8030..8110, 8200..8286, 8200..8286, 8201..8299, 8204..8293, 8361..8615, 8364..8468, 8366..8572, 8493..8621, 8788..8898, 8810..8899, 9212..9307, 9213..9314, 9297..9458, 9299..9454, 9544..9660, 9579..9650, 9580..9735, 10647..10757, 10647..10763, 10873..11037, 10873..11037, 10874..11038		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o1.ts	Method	TBLASTX:Soybean
Start	734	End	11032
GI	none	Score	155
Exons	734..889, 1128..1208, 1327..1431, 1563..1706, 1564..1716, 7303..7362, 7416..7499, 7846..7959, 7882..7962, 8041..8109, 8042..8110, 8200..8277, 8201..8287, 8363..8578, 8364..8615, 8367..8621, 8785..8898, 8813..8902, 9210..9296, 9288..9368, 9568..9660, 10879..11022, 10880..11032		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o1.tw	Method	TBLASTX:Wheat
Start	734	End	9317
GI	none	Score	129
Exons	734..886, 7876..7959, 8197..8280, 8204..8287, 8367..8501, 8526..8624, 8810..8902, 9209..9286, 9210..9317		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o3.tc	Method	TBLASTX:Cress
Start	734	End	11032
GI	none	Score	134
Exons	734..889, 1563..1715, 1564..1728, 9568..9660, 10879..11031, 10880..11032, 10880..11032		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o3.tw	Method	TBLASTX:Wheat
Start	1563	End	11046
GI	none	Score	185
Exons	1563..1694, 1564..1725, 9592..9660, 10879..11025, 10880..11041, 10886..11032, 10897..11046		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o2.gp	Method	AAT/GAP

Start	2345	End	2461
GI	3683_1.R1084	Score	120
Exons	2345..2461		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 2.0e-45 Oryza sativa genomic DNA; chromosome 6, clone:P0538C01'		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o2.tm	Method	TBLASTX:Maize
Start	4697	End	5387
GI	none	Score	64
Exons	4697..4744, 4698..4745, 4727..4909, 4762..4860, 4903..5022, 4911..5021, 5111..5287, 5112..5288, 5271..5375, 5331..5387		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o2.tw	Method	TBLASTX:Wheat
Start	4727	End	5258
GI	none	Score	113
Exons	4727..4903, 4762..4866, 4903..5019, 4920..5018, 5139..5258, 5144..5245		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o2.tc	Method	TBLASTX:Cress
Start	4759	End	5282
GI	none	Score	101
Exons	4759..4839, 4760..4900, 4914..5027, 4927..5022, 5100..5282, 5117..5185, 5205..5282		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o2.ts	Method	TBLASTX:Soybean
Start	4768	End	5393
GI	none	Score	117
Exons	4768..4800, 4769..4900, 4894..5028, 4908..5057, 5109..5288, 5144..5287, 5286..5393		

Seq. No.	39656	Seq. ID	OJ991220_12.0308.C23
Gene No.	81975	Strand	-
Start	2345	End	11046
Name	OJ991220_12.0308.C23.o1.tc	Method	TBLASTX:Cress
Start	8201	End	8615
GI	none	Score	92
Exons	8201..8299, 8330..8578, 8361..8615		

Seq. No.	39657	Seq. ID	OJ991220_12.0308.C24
Gene No.	81976	Strand	-
Start	13	End	2751
Name	OJ991220_12.0308.C24.o1.ts	Method	TBLASTX:Soybean
Start	13	End	498
GI	none	Score	81
Exons	13..123, 139..324, 418..498		

Seq. No.	39657	Seq. ID	OJ991220_12.0308.C24
Gene No.	81976	Strand	
Start	13	End	2751
Name	OJ991220_12.0308.C24.o1.tm	Method	TBLASTX:Maize
Start	274	End	831
GI	none	Score	115
Exons	274..417, 274..381, 430..831, 438..722		

Seq. No.	39657	Seq. ID	OJ991220_12.0308.C24
Gene No.	81976	Strand	
Start	13	End	2751
Name	OJ991220_12.0308.C24.o2.ts	Method	TBLASTX:Soybean
Start	499	End	2751
GI	none	Score	175
Exons	499..720, 2257..2505, 2614..2751		

Seq. No.	39657	Seq. ID	OJ991220_12.0308.C24
Gene No.	81976	Strand	
Start	13	End	2751
Name	OJ991220_12.0308.C24.o2.tm	Method	TBLASTX:Maize
Start	2221	End	2502
GI	none	Score	220
Exons	2221..2502, 2247..2501		

Seq. No.	39657	Seq. ID	OJ991220_12.0308.C24
Gene No.	81977	Strand	
Start	4849	End	7338
Name	OJ991220_12.0308.C24.o1.tc	Method	TBLASTX:Cress
Start	4849	End	7338
GI	none	Score	95
Exons	4849..4947, 5038..5088, 7009..7086, 7090..7221, 7240..7338		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o1.tm	Method	TBLASTX:Maize
Start	129	End	3496
GI	none	Score	82
Exons	129..194, 142..216, 143..193, 278..349, 278..349, 279..353, 429..518, 430..570, 665..721, 666..725, 716..865, 718..840, 720..881, 875..967, 881..967, 1125..1247, 1150..1251, 1152..1250, 1336..1398, 1340..1399, 1341..1400, 1502..1606, 1502..1606, 1503..1616, 1506..1613, 1759..1896, 1774..1896, 1793..1903, 1794..1934, 1926..1985, 1935..1985, 2097..2132, 2100..2174, 2310..2429, 2312..2428, 2491..2688, 2494..2688, 2511..2690, 2956..3090, 2972..3085, 2973..3086, 2974..3087, 3181..3330, 3185..3337, 3186..3491, 3365..3496, 3371..3496		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o1.ts	Method	TBLASTX:Soybean
Start	1793	End	2693
GI	none	Score	227
Exons	1793..1903, 1794..1976, 1933..1998, 2100..2180, 2360..2425, 2494..2688, 2521..2688, 2553..2693		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o2.ts	Method	TBLASTX:Soybean
Start	2974	End	3344
GI	none	Score	114
Exons	2974..3090, 3180..3284, 3300..3344		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o3.tm	Method	TBLASTX:Maize
Start	4745	End	5114
GI	none	Score	42
Exons	4745..4792, 4765..4908, 4769..4912, 5039..5080, 5088..5114		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o3.ts	Method	TBLASTX:Soybean
Start	5261	End	5573
GI	none	Score	86
Exons	5261..5344, 5265..5360, 5434..5568, 5471..5494, 5472..5573		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o2.tm	Method	TBLASTX:Maize
Start	5459	End	6208
GI	none	Score	194
Exons	5459..5569, 5461..5589, 5463..5570, 5926..6045, 5927..6046, 5954..6061, 6119..6202, 6134..6208		

Seq. No.	39658	Seq. ID	OJ991220_12.0308.C26
Gene No.	81978	Strand	+
Start	5519	End	6208
Name	OJ991220_12.0308.C26.o1.gp	Method	AAT/GAP
Start	5519	End	5772
GI	uC-osflcyp142b03b1	Score	488
Exons	5519..5772		
GI Descrip.	'3820531/gb AAC69619.1 1.0e-38 (AF072736) beta-glucosidase [Pinus contorta]'		

Seq. No.	39659	Seq. ID	OJ991220_12.0308.C27
Gene No.	81979	Strand	
Start	93	End	1779
Name	OJ991220_12.0308.C27.o1.tm	Method	TBLASTX:Maize
Start	93	End	1779
GI	none	Score	100
Exons	93..143, 94..153, 1187..1273, 1198..1413, 1198..1410, 1200..1415, 1543..1710, 1544..1711, 1549..1779, 1679..1774		

Seq. No.	39659	Seq. ID	OJ991220_12.0308.C27
Gene No.	81979	Strand	
Start	93	End	1779
Name	OJ991220_12.0308.C27.o1.tc	Method	TBLASTX:Cress

Start	94	End	1779
GI	none	Score	78
Exons	94..153, 1198..1413, 1234..1410, 1546..1641, 1549..1650, 1657..1779, 1661..1774		

Seq. No.	39659	Seq. ID	OJ991220_12.0308.C27
Gene No.	81979	Strand	
Start	93	End	1779
Name	OJ991220_12.0308.C27.o2.ts	Method	TBLASTX:Soybean
Start	206	End	413
GI	none	Score	69
Exons	206..256, 214..306, 261..413, 265..324, 272..409		

Seq. No.	39659	Seq. ID	OJ991220_12.0308.C27
Gene No.	81979	Strand	
Start	93	End	1779
Name	OJ991220_12.0308.C27.o1.ts	Method	TBLASTX:Soybean
Start	1291	End	1779
GI	none	Score	164
Exons	1291..1413, 1291..1410, 1293..1427, 1344..1415, 1543..1710, 1544..1711, 1549..1779, 1679..1774		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o1.np	Method	AAT/NAP
Start	1	End	2853
GI	6630696	Score	4694
Exons	1..2853		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o2.tm	Method	TBLASTX:Maize
Start	7	End	403
GI	none	Score	64
Exons	7..402, 85..267, 272..403		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o3.tw	Method	TBLASTX:Wheat
Start	58	End	402
GI	none	Score	49
Exons	58..402, 224..346		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o1.ts	Method	TBLASTX:Soybean
Start	73	End	537
GI	5509260	Score	84
Exons	73..537, 281..442		
GI Descrip.	-		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o1.tc	Method	TBLASTX:Cress
Start	184	End	444
GI	none	Score	100
Exons	184..444, 272..442		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o1.tw	Method	TBLASTX:Wheat
Start	457	End	1212
GI	none	Score	104
Exons	457..615, 457..1212, 462..1193, 707..1204		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o2.ts	Method	TBLASTX:Soybean
Start	862	End	1260
GI	none	Score	100
Exons	862..1035, 1039..1260, 1046..1258		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o3.tm	Method	TBLASTX:Maize
Start	1048	End	1512
GI	none	Score	77
Exons	1048..1512, 1055..1231		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o4.tw	Method	TBLASTX:Wheat
Start	1213	End	1405
GI	none	Score	210
Exons	1213..1404, 1214..1405		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o3.ts	Method	TBLASTX:Soybean
Start	1270	End	1650
GI	none	Score	88
Exons	1270..1518, 1501..1650		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o1.tm	Method	TBLASTX:Maize
Start	1598	End	2010
GI	none	Score	52
Exons	1598..1663, 1600..1665, 1660..2010, 1702..1986, 1703..1987		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o4.tm	Method	TBLASTX:Maize
Start	2501	End	2811
GI	none	Score	171
Exons	2501..2764, 2503..2811		

Seq. No.	39660	Seq. ID	OJ991110_05.0307.C2
Gene No.	81980	Strand	-
Start	1	End	2959
Name	OJ991110_05.0307.C2.o2.tw	Method	TBLASTX:Wheat
Start	2562	End	2959
GI	none	Score	140
Exons	2562..2744, 2562..2744, 2563..2847, 2576..2773, 2824..2958, 2861..2959		

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o1.np	Method	AAT/NAP
Start	1	End	870
GI	1076334	Score	434
Exons	1..84, 130..404, 598..870		
GI Descrip.	hypothetical protein HYP1 - Arabidopsis thaliana gi 499168 emb CAA56145 (X79707) HYP1 [Arabidopsis thaliana]		

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o2.ts	Method	TBLASTX:Soybean
Start	113	End	405
GI	none	Score	70
Exons	113..181, 123..185, 179..331, 195..374, 204..404, 256..405		

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o1.tc	Method	TBLASTX:Cress
Start	132	End	873
GI	none	Score	248
Exons	132..377, 134..370, 138..404, 571..630, 717..866, 718..873		

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o1.tm	Method	TBLASTX:Maize
Start	203	End	796
GI	none	Score	239
Exons	203..367, 204..380, 574..795, 595..795, 596..796		

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o1.gs	Method	GENSCAN
Start	276	End	870
GI	none	Score	.59

Exons 276..404, 598..870

Seq. No.	39661	Seq. ID	OJ991110_05.0307.C3
Gene No.	81981	Strand	+
Start	1	End	900
Name	OJ991110_05.0307.C3.o1.ts	Method	TBLASTX:Soybean
Start	708	End	900
GI	none	Score	214
Exons	708..872, 715..873, 733..900		

Seq. No.	39662	Seq. ID	OJ991110_05.0307.C6
Gene No.	81982	Strand	+
Start	1	End	723
Name	OJ991110_05.0307.C6.o1.np	Method	AAT/NAP
Start	1	End	723
GI	6498434	Score	42
Exons	1..22, 297..409, 691..723		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81983	Strand	+
Start	83	End	547
Name	OJ991110_05.0307.C8.o1.gp	Method	AAT/GAP
Start	83	End	547
GI	none	Score	862
Exons	83..547		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o1.np	Method	AAT/NAP
Start	1	End	2691
GI	6693020	Score	1019
Exons	1..29, 1049..1387, 1514..1861, 2251..2691		
GI Descrip.	(AC012375) T22C5.14 [Arabidopsis thaliana]		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o1.gs	Method	GENSCAN
Start	761	End	2691
GI	none	Score	.9
Exons	761..1387, 1514..1861, 2251..2691		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o2.ts	Method	TBLASTX:Soybean
Start	851	End	1288
GI	none	Score	164
Exons	851..1147, 854..1141, 873..1151, 1131..1283, 1145..1288, 1146..1286		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o1.tm	Method	TBLASTX:Maize

Start	914	End	1663
GI	none	Score	140
Exons	914..1024, 918..1043, 998..1060, 1020..1061, 1039..1296, 1058..1393, 1059..1394, 1062..1394, 1333..1395, 1514..1663, 1521..1661		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o2.gp	Method	AAT/GAP
Start	1076	End	1706
GI	uC-osflcyp071d04b1	Score	954
Exons	1076..1387, 1514..1706		
GI Descrip.	'4835767/gb AAD30234.1 AC007202_16 1.0e-55 (AC007202) T8K14.16 [Arabidopsis thaliana]'		

Seq. No.	39663	Seq. ID	OJ991110_05.0307.C8
Gene No.	81984	Strand	-
Start	1	End	2850
Name	OJ991110_05.0307.C8.o1.ts	Method	TBLASTX:Soybean
Start	1292	End	2850
GI	none	Score	110
Exons	1292..1393, 1293..1394, 1514..1861, 1521..1862, 2246..2353, 2251..2361, 2629..2691, 2648..2692, 2794..2850		

Seq. No.	39664	Seq. ID	OJ991110_05.0307.C9
Gene No.	81985	Strand	-
Start	3306	End	12049
Name	OJ991110_05.0307.C9.o2.gp	Method	AAT/GAP
Start	2660	End	3117
GI	LIB3432-059-P1-K1-D8	Score	731
Exons	2660..3117		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	39664	Seq. ID	OJ991110_05.0307.C9
Gene No.	81985	Strand	-
Start	3306	End	12049
Name	OJ991110_05.0307.C9.o1.gs	Method	GENSCAN
Start	3306	End	11914
GI	none	Score	.6
Exons	3306..3370, 7715..7845, 8310..8351, 11865..11914		

Seq. No.	39664	Seq. ID	OJ991110_05.0307.C9
Gene No.	81985	Strand	-
Start	3306	End	12049
Name	OJ991110_05.0307.C9.o3.gp	Method	AAT/GAP
Start	5503	End	5992
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	5503..5576, 5960..5992		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39664	Seq. ID	OJ991110_05.0307.C9
Gene No.	81985	Strand	-
Start	3306	End	12049

Name	OJ991110_05.0307.C9.o4.gp	Method	AAT/GAP
Start	11542	End	12049
GI	5867_1.R1084	Score	127
Exons	11542..11570, 11955..12049		
GI Descrip.	'464986/sp P35132 UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN-CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir_S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis]		

Seq. No.	39665	Seq. ID	OJ991110_05.0307.C10
Gene No.	81986	Strand	-
Start	1517	End	2874
Name	OJ991110_05.0307.C10.o1.tm	Method	TBLASTX:Maize
Start	1514	End	2871
GI	none	Score	76
Exons	1514..1600, 1518..1598, 1893..1937, 2076..2210, 2077..2199, 2749..2835, 2751..2834, 2832..2870, 2833..2871		

Seq. No.	39665	Seq. ID	OJ991110_05.0307.C10
Gene No.	81986	Strand	-
Start	1517	End	2874
Name	OJ991110_05.0307.C10.o1.np	Method	AAT/NAP
Start	1517	End	2874
GI	3169172	Score	272
Exons	1517..1597, 1893..1938, 2077..2190, 2749..2874		
GI Descrip.	(AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81987	Strand	+
Start	654	End	4663
Name	OJ991110_05.0307.C11.o1.gs	Method	GENSCAN
Start	654	End	4663
GI	none	Score	.93
Exons	654..764, 4031..4663		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81988	Strand	+
Start	9773	End	10248
Name	OJ991110_05.0307.C11.o3.gp	Method	AAT/GAP
Start	9773	End	10248
GI	uC-osroM202024h12a1	Score	791
Exons	9773..10248		
GI Descrip.	'5231117/gb AAD41078.1 AF141204_1 1.0e-25 (AF141204) Nramp2 [Arabidopsis thaliana]'		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81989	Strand	-
Start	2353	End	2531
Name	OJ991110_05.0307.C11.o1.gp	Method	AAT/GAP
Start	2353	End	2531
GI	15870_2.R1084	Score	290
Exons	2353..2531		
GI Descrip.	'287403/dbj D10838 RICSBE1 8.0e-69 Rice gene for starch		

branching enzyme'

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81990	Strand	-
Start	2585	End	2655
Name	OJ991110_05.0307.C11.o2.gp	Method	AAT/GAP
Start	2585	End	2655
GI	38012_1.R1084	Score	85
Exons	2585..2655		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81991	Strand	-
Start	6335	End	8900
Name	OJ991110_05.0307.C11.o2.gs	Method	GENSCAN
Start	6335	End	8900
GI	none	Score	.64
Exons	6335..6632, 6902..7027, 7854..8026, 8586..8900		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o2.tm	Method	TBLASTX:Maize
Start	839	End	4384
GI	none	Score	77
Exons	839..946, 858..938, 1080..1196, 1081..1203, 1085..1198, 3272..3376, 3273..3377, 3274..3378, 4055..4222, 4062..4223, 4244..4333, 4349..4384		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o3.ts	Method	TBLASTX:Soybean
Start	1086	End	4462
GI	none	Score	142
Exons	1086..1196, 3272..3376, 4055..4222, 4262..4462		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o2.tc	Method	TBLASTX:Cress
Start	3272	End	4462
GI	none	Score	95
Exons	3272..3349, 3338..3376, 4115..4222, 4244..4378, 4370..4462		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o1.np	Method	AAT/NAP
Start	9999	End	13016
GI	5231117	Score	1326
Exons	9999..10215, 10733..11382, 11470..11606, 12867..13016		
GI Descrip.	(AF141204) Nramp2 [Arabidopsis thaliana]		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-

Start	10006	End	13016
Name	OJ991110_05.0307.C11.o3.gs	Method	GENSCAN
Start	10006	End	12976
GI	none	Score	.74
Exons	10006..10215, 10733..11382, 11470..11606, 12867..12976		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o1.tm	Method	TBLASTX:Maize
Start	10015	End	11329
GI	none	Score	66
Exons	10015..10218, 10049..10222, 10760..10816, 10760..10819, 10817..10897, 10865..11329, 10872..11327		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o1.tc	Method	TBLASTX:Cress
Start	10124	End	11263
GI	none	Score	69
Exons	10124..10207, 10126..10257, 10141..10251, 10745..10897, 10746..10826, 10763..10861, 10862..11263, 10868..11236, 10887..11261		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o1.ts	Method	TBLASTX:Soybean
Start	10865	End	11284
GI	none	Score	70
Exons	10865..11284, 10868..11050, 10869..11282, 11105..11284		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o1.tw	Method	TBLASTX:Wheat
Start	11249	End	12904
GI	none	Score	134
Exons	11249..11383, 11256..11384, 11453..11587, 11466..11585, 12857..12904		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o2.ts	Method	TBLASTX:Soybean
Start	11285	End	12938
GI	none	Score	108
Exons	11285..11392, 11286..11384, 11466..11585, 11468..11605, 11468..11587, 11508..11594, 12858..12938, 12869..12937		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o3.tm	Method	TBLASTX:Maize
Start	11330	End	13016
GI	none	Score	72

Exons 11330..11392, 11334..11384, 11468..11587, 11469..11585,
12858..13016, 12869..13015

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o3.tc	Method	TBLASTX:Cress
Start	12801	End	13016
GI	none	Score	160
Exons	12801..13016, 12839..13015		

Seq. No.	39666	Seq. ID	OJ991110_05.0307.C11
Gene No.	81992	Strand	-
Start	10006	End	13016
Name	OJ991110_05.0307.C11.o4.gp	Method	AAT/GAP
Start	12895	End	13016
GI	428877	Score	226
Exons	12895..13016		
GI Descrip.	5231117/gb AAD41078.1 AF141204_1 1.0e-25 (AF141204) Nramp2 [Arabidopsis thaliana]		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81993	Strand	+
Start	6260	End	6548
Name	OJ991110_05.0307.C12.o2.gp	Method	AAT/GAP
Start	6260	End	6548
GI	426253	Score	502
Exons	6260..6548		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81994	Strand	+
Start	8813	End	12767
Name	OJ991110_05.0307.C12.o3.gs	Method	GENSCAN
Start	8813	End	12349
GI	none	Score	.82
Exons	8813..9055, 9750..9956, 10629..10660, 10889..11168, 11513..11620, 11783..12036, 12220..12349		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81994	Strand	+
Start	8813	End	12767
Name	OJ991110_05.0307.C12.o4.gp	Method	AAT/GAP
Start	10961	End	12767
GI	42571.R1084	Score	2285
Exons	10961..11168, 11513..11620, 11783..12039, 12103..12767		
GI Descrip.	'3650033 4.0e-43 (AC005396) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81995	Strand	+
Start	13625	End	15771
Name	OJ991110_05.0307.C12.o4.gs	Method	GENSCAN
Start	13625	End	15771
GI	none	Score	.95
Exons	13625..14005, 14084..14316, 14420..14572, 14691..14724, 14835..14984, 15071..15205, 15745..15771		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81995	Strand	+
Start	13625	End	15771
Name	OJ991110_05.0307.C12.o2.np	Method	AAT/NAP
Start	13631	End	15364
GI	7438513	Score	779
Exons	13631..14005, 14084..14316, 14420..14572, 14691..14724, 14835..14984, 15071..15205, 15293..15364		
GI Descrip.	cyclin A-type (clone 59) - common tobacco gi 1064931 emb CAA63541.1 (X92965) cyclin A-like protein [Nicotiana tabacum]		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81996	Strand	+
Start	20271	End	20410
Name	OJ991110_05.0307.C12.o6.gp	Method	AAT/GAP
Start	20271	End	20410
GI	none	Score	208
Exons	20271..20410		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81997	Strand	-
Start	1	End	67
Name	OJ991110_05.0307.C12.o1.gp	Method	AAT/GAP
Start	1	End	67
GI	none	Score	110
Exons	1..67		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81998	Strand	-
Start	978	End	7342
Name	OJ991110_05.0307.C12.o2.gs	Method	GENSCAN
Start	978	End	7342
GI	none	Score	.73
Exons	978..1110, 2439..2565, 4739..4811, 5795..5888, 6658..6717, 7290..7342		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81998	Strand	-
Start	978	End	7342
Name	OJ991110_05.0307.C12.o1.np	Method	AAT/NAP
Start	2279	End	4065
GI	7228450	Score	164
Exons	2279..2390, 2493..2608, 2752..2818, 4042..4065		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	81999	Strand	-
Start	9748	End	9966
Name	OJ991110_05.0307.C12.o3.gp	Method	AAT/GAP
Start	9748	End	9966
GI	uC-osflM202037a02b1	Score	381
Exons	9748..9966		
GI Descrip.	'3650033 2.0e-24 (AC005396) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
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Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o2.tm	Method	TBLASTX:Maize
Start	9743	End	12206
GI	none	Score	111
Exons	9743..9868, 9752..9880, 9762..9881, 9870..9968, 9883..9960, 9908..9964, 10887..10985, 10888..10992, 11100..11168, 11510..11623, 11510..11599, 11512..11625, 11527..11649, 11776..11931, 11777..11947, 11780..11947, 11939..12037, 11939..12037, 11961..12029, 12099..12206, 12111..12197, 12118..12204		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o2.ts	Method	TBLASTX:Soybean
Start	9752	End	12197
GI	none	Score	150
Exons	9752..9880, 9768..9881, 9775..9924, 9870..9959, 9883..9960, 11494..11628, 11510..11656, 11510..11674, 11776..11931, 11777..11959, 11942..12037, 12099..12197, 12120..12197		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o2.tc	Method	TBLASTX:Cress
Start	9758	End	12203
GI	none	Score	156
Exons	9758..9880, 9765..9881, 9793..9918, 9814..9921, 9870..9959, 9883..9960, 11510..11623, 11527..11649, 11776..11877, 11777..11881, 11936..12037, 12099..12203, 12111..12182		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o1.tw	Method	TBLASTX:Wheat
Start	11074	End	11971
GI	none	Score	112
Exons	11074..11169, 11077..11166, 11497..11649, 11510..11626, 11512..11637, 11513..11650, 11775..11933, 11776..11931, 11777..11947, 11783..11947, 11942..11971		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o1.ts	Method	TBLASTX:Soybean
Start	13958	End	15205
GI	none	Score	54
Exons	13958..14011, 14081..14311, 14420..14572, 14421..14573, 14448..14576, 14850..14984, 14909..14983, 15092..15205, 15105..15125		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o1.tc	Method	TBLASTX:Cress
Start	14087	End	15205

GI	none	Score	218
Exons	14087..14311, 14421..14573, 14850..14984, 14909..14983, 15080..15205, 15082..15195		
Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o4.tm	Method	TBLASTX:Maize
Start	14087	End	14311
GI	none	Score	213
Exons	14087..14311		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o1.tm	Method	TBLASTX:Maize
Start	14417	End	15418
GI	none	Score	169
Exons	14417..14572, 14419..14568, 14421..14573, 14421..14594, 14665..14733, 14685..14732, 14832..14984, 14836..15009, 14837..14983, 14838..14984, 15067..15204, 15073..15204, 15077..15205, 15290..15418, 15292..15417		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o3.tm	Method	TBLASTX:Maize
Start	16832	End	17341
GI	none	Score	48
Exons	16832..16870, 16836..16889, 16877..16924, 16878..16916, 17024..17215, 17025..17234, 17048..17236, 17297..17341		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o5.gs	Method	GENSCAN
Start	16832	End	17419
GI	none	Score	.99
Exons	16832..17419		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o5.gp	Method	AAT/GAP
Start	16887	End	17467
GI	LIB3434-044-P1-K1-F2	Score	1077
Exons	16887..17467		
GI Descrip.	'1362021/pir S55887 1.0e-14 zink finger protein 7 - Arabidopsis thaliana >gi_790685 (L39650) zinc finger protein [Arabidopsis thaliana] >gi_2213609 (AC000103) F21J9.3 [Arabidopsis thaliana]'		

Seq. No.	39667	Seq. ID	OJ991110_05.0307.C12
Gene No.	82000	Strand	-
Start	16832	End	17467
Name	OJ991110_05.0307.C12.o3.np	Method	AAT/NAP
Start	17059	End	17407
GI	1362015	Score	147

Exons 17059..17407
 GI Descrip. zinc finger protein 1 - Arabidopsis thaliana
 gi|2129779|pir||S71240 zinc finger protein 1 - Arabidopsis
 thaliana gi|790673 (L39644) zinc finger protein [Arabidopsis
 thaliana] gi|1297186 (U53501) zinc finger protein 1 [Arabidopsis
 thaliana] gi|6503285|gb|AAF14661.1|AC011713.9 (AC011713)
 Identical to gi|S55881 zinc finger protein 1 from Arabidopsis
 thaliana.

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82001	Strand	+
Start	71	End	476
Name	OJ991110_05.0307.C13.o1.gs	Method	GENSCAN
Start	71	End	476
GI	none	Score	.96
Exons	71..476		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82002	Strand	+
Start	8392	End	18995
Name	OJ991110_05.0307.C13.o4.gs	Method	GENSCAN
Start	8392	End	18995
GI	none	Score	.57
Exons	8392..8438, 9780..10001, 10053..10156, 11198..11228, 12092..12218, 12694..12954, 12979..13152, 13187..13498, 13509..13797, 13897..13988, 14264..14476, 14627..16469, 16622..16755, 16792..18657, 18804..18995		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82002	Strand	+
Start	8392	End	18995
Name	OJ991110_05.0307.C13.o1.np	Method	AAT/NAP
Start	14792	End	18979
GI	7489805	Score	2860
Exons	14792..18519, 18794..18979		
GI Descrip.	polyprotein - maize retrotransposon Cinfu-1 gi 4206306 gb AAD11615.1 (AF049110) prpol [Zea mays]		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82003	Strand	-
Start	4311	End	6325
Name	OJ991110_05.0307.C13.o3.gs	Method	GENSCAN
Start	4311	End	6325
GI	none	Score	.75
Exons	4311..5015, 5396..6325		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o1.tc	Method	TBLASTX:Cress
Start	4326	End	6076
GI	none	Score	43
Exons	4326..4943, 4386..4460, 4573..4938, 4818..4970, 5396..5494, 5909..6076		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-

Start	19062	End	23182
Name	OJ991110_05.0307.C13.o1.ts	Method	TBLASTX:Soybean
Start	4329	End	4956
GI	none	Score	156
Exons	4329..4541, 4573..4956, 4578..4946		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o2.tm	Method	TBLASTX:Maize
Start	4329	End	4956
GI	none	Score	156
Exons	4329..4541, 4573..4956, 4578..4946		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o5.tw	Method	TBLASTX:Wheat
Start	4638	End	5572
GI	none	Score	176
Exons	4638..4937, 4639..4926, 4695..4931, 5402..5503, 5492..5572		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o5.tm	Method	TBLASTX:Maize
Start	5393	End	5681
GI	none	Score	68
Exons	5393..5515, 5403..5471, 5498..5680, 5544..5681		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o6.tw	Method	TBLASTX:Wheat
Start	15035	End	15394
GI	none	Score	81
Exons	15035..15166, 15173..15394, 15217..15393		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o2.tw	Method	TBLASTX:Wheat
Start	15599	End	15952
GI	none	Score	356
Exons	15599..15952, 15817..15951, 15842..15928		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o4.ts	Method	TBLASTX:Soybean
Start	15638	End	16003
GI	none	Score	120
Exons	15638..15862, 15869..16003		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182

Name	OJ991110_05.0307.C13.o1.tm	Method	TBLASTX:Maize
Start	15727	End	16084
GI	none	Score	421
Exons	15727..16083, 15728..16084, 15785..16084		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o1.tw	Method	TBLASTX:Wheat
Start	15953	End	16372
GI	none	Score	479
Exons	15953..16372, 15955..16122, 15965..16363, 16156..16371		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o4.tm	Method	TBLASTX:Maize
Start	16112	End	16495
GI	none	Score	363
Exons	16112..16495, 16133..16384, 16222..16482		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o2.ts	Method	TBLASTX:Soybean
Start	16214	End	16561
GI	none	Score	225
Exons	16214..16561, 16264..16407		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o8.tw	Method	TBLASTX:Wheat
Start	16654	End	16863
GI	none	Score	182
Exons	16654..16809, 16657..16863, 16677..16859		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o3.tw	Method	TBLASTX:Wheat
Start	16863	End	17295
GI	none	Score	309
Exons	16863..17294, 16864..17295		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o6.tm	Method	TBLASTX:Maize
Start	17482	End	17748
GI	none	Score	237
Exons	17482..17748, 17589..17747		
Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o4.tw	Method	TBLASTX:Wheat

Start	17590	End	17979
GI	none	Score	266
Exons	17590..17979, 17634..17801, 17856..17897		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o3.tm	Method	TBLASTX:Maize
Start	17749	End	18126
GI	none	Score	379
Exons	17749..18111, 17841..18110, 17935..18126		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o3.ts	Method	TBLASTX:Soybean
Start	17752	End	18126
GI	none	Score	93
Exons	17752..17895, 17781..17894, 17901..18119, 17902..18126		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o7.tw	Method	TBLASTX:Wheat
Start	18097	End	18387
GI	none	Score	94
Exons	18097..18216, 18241..18387		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o7.tm	Method	TBLASTX:Maize
Start	18142	End	18405
GI	none	Score	189
Exons	18142..18405		

Seq. No.	39668	Seq. ID	OJ991110_05.0307.C13
Gene No.	82004	Strand	-
Start	19062	End	23182
Name	OJ991110_05.0307.C13.o5.gs	Method	GENSCAN
Start	19062	End	23182
GI	none	Score	.72
Exons	19062..19091, 19127..19621, 19654..19798, 19893..19983, 20046..20121, 20194..20601, 20760..20945, 21060..21202, 21364..21528, 23111..23182		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82005	Strand	+
Start	9716	End	10217
Name	OJ991110_05.0307.C14.o1.gp	Method	AAT/GAP
Start	9716	End	10217
GI	919 1.R1084	Score	953
Exons	9716..10217		
GI Descrip.	'4768972/gb AAD29699.1 AF140486_1 5.0e-56 (AF140486) cytochrome P450 [Oryza sativa]'		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
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Gene No.	82006	Strand	+
Start	17008	End	20023
Name	OJ991110_05.0307.C14.o4.np	Method	AAT/NAP
Start	17008	End	18807
GI	7487484	Score	327
Exons	17008..17231, 17339..17506, 18215..18278, 18566..18807		
GI Descrip.	hypothetical protein T27I1.11 - Arabidopsis thaliana gi 3540190 gb AAC34340.1 (AC004122) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82006	Strand	+
Start	17008	End	20023
Name	OJ991110_05.0307.C14.o5.gs	Method	GENSCAN
Start	17008	End	19694
GI	none	Score	.42
Exons	17008..17243, 17351..17506, 18215..18278, 18629..18775, 19506..19694		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82006	Strand	+
Start	17008	End	20023
Name	OJ991110_05.0307.C14.o5.np	Method	AAT/NAP
Start	19503	End	20023
GI	1076334	Score	211
Exons	19503..19688, 19872..20023		
GI Descrip.	hypothetical protein HYP1 - Arabidopsis thaliana gi 499168 emb CAA56145 (X79707) HYP1 [Arabidopsis thaliana]		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82007	Strand	-
Start	151	End	1321
Name	OJ991110_05.0307.C14.o1.gs	Method	GENSCAN
Start	151	End	1321
GI	none	Score	.61
Exons	151..199, 633..946, 951..1096, 1132..1321		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82008	Strand	-
Start	6049	End	7761
Name	OJ991110_05.0307.C14.o3.gs	Method	GENSCAN
Start	6049	End	7761
GI	none	Score	.99
Exons	6049..7761		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82008	Strand	-
Start	6049	End	7761
Name	OJ991110_05.0307.C14.o1.np	Method	AAT/NAP
Start	6052	End	7593
GI	7430662	Score	949
Exons	6052..6783, 6811..7593		
GI Descrip.	cytochrome P450 homolog F6G17.10 - Arabidopsis thaliana gi 4468802 emb CAB38203.1 (AL035601) cytochrome p450-like protein [Arabidopsis thaliana] gi 7270718 emb CAB80401.1 (AL161591) cytochrome p450-like protein [Arabidopsis thaliana]		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o1.tc	Method	TBLASTX:Cress
Start	6061	End	11833
GI	none	Score	63
Exons	6061..6279, 6080..6232, 6320..6616, 6328..6765, 6979..7080, 7114..7359, 7336..7443, 7435..7497, 9841..10035, 9842..10024, 10063..10413, 10109..10447, 11531..11701, 11774..11833		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o1.tm	Method	TBLASTX:Maize
Start	6061	End	10431
GI	none	Score	114
Exons	6061..6279, 6319..6684, 6320..6625, 9818..10024, 9841..10035, 10066..10431, 10109..10429		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o1.ts	Method	TBLASTX:Soybean
Start	6163	End	11839
GI	none	Score	123
Exons	6163..6279, 6325..6705, 6329..6628, 6823..7005, 7114..7404, 7465..7503, 9931..10035, 10039..10464, 10136..10423, 11522..11707, 11795..11839		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o1.tw	Method	TBLASTX:Wheat
Start	6388	End	10425
GI	none	Score	161
Exons	6388..6774, 6389..6628, 10126..10425, 10127..10423		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o2.tm	Method	TBLASTX:Maize
Start	6685	End	6973
GI	none	Score	135
Exons	6685..6783, 6826..6972, 6845..6973		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o3.tm	Method	TBLASTX:Maize
Start	7024	End	11840
GI	none	Score	74
Exons	7024..7239, 7240..7404, 7411..7503, 11522..11560, 11576..11701, 11780..11839, 11787..11840		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962

Name	OJ991110_05.0307.C14.o4.gs	Method	GENSCAN
Start	9808	End	11962
GI	none	Score	.72
Exons	9808..10425, 11010..11457, 11562..11962		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82009	Strand	-
Start	9808	End	11962
Name	OJ991110_05.0307.C14.o2.np	Method	AAT/NAP
Start	9811	End	11962
GI	7430635	Score	902
Exons	9811..10421, 11006..11113, 11141..11834, 11862..11962		
GI Descrip.	cytochrome P450 (EC 1.14.-.-) 81B1c - Jerusalem artichoke gi 3059129 emb CAA04116.1 (AJ000477) cytochrome P450 [Helianthus tuberosus]		

Seq. No.	39669	Seq. ID	OJ991110_05.0307.C14
Gene No.	82010	Strand	
Start	18575	End	20023
Name	OJ991110_05.0307.C14.o2.tc	Method	TBLASTX:Cress
Start	18575	End	20023
GI	none	Score	202
Exons	18575..18775, 18610..18771, 19869..19919, 19871..19939, 19872..19937, 19948..20019, 19949..20023, 19955..20023		

Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82011	Strand	+
Start	1	End	1031
Name	OJ991110_05.0307.C15.o1.np	Method	AAT/NAP
Start	1	End	1007
GI	498707	Score	336
Exons	1..109, 487..724, 882..1007		
GI Descrip.	(X78422) HYP1 [Arabidopsis thaliana] gi 6714478 gb AAF26164.1 AC008261_21 (AC008261) unknown protein [Arabidopsis thaliana]		

Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82011	Strand	+
Start	1	End	1031
Name	OJ991110_05.0307.C15.o1.gs	Method	GENSCAN
Start	485	End	1031
GI	none	Score	.72
Exons	485..724, 882..1031		

Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82012	Strand	+
Start	6680	End	7122
Name	OJ991110_05.0307.C15.o2.np	Method	AAT/NAP
Start	6680	End	7122
GI	2281647	Score	228
Exons	6680..6926, 7013..7122		
GI Descrip.	(AF003104) AP2 domain containing protein RAP2.11 [Arabidopsis thaliana]		

Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82013	Strand	-
Start	4311	End	4626

Name	OJ991110_05.0307.C15.o2.gs	Method	GENSCAN
Start	4311	End	4626
GI	none	Score	.76
Exons	4311..4346, 4624..4626		
Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o1.tm	Method	TBLASTX:Maize
Start	472	End	1030
GI	none	Score	229
Exons	472..720, 472..723, 476..724, 489..731, 879..1028, 881..1018, 885..1025, 926..1030		
Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o2.tc	Method	TBLASTX:Cress
Start	476	End	1240
GI	none	Score	175
Exons	476..607, 488..628, 490..705, 501..719, 511..720, 668..730, 879..992, 1077..1130, 1160..1240		
Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o2.ts	Method	TBLASTX:Soybean
Start	476	End	730
GI	none	Score	203
Exons	476..730, 488..694, 496..699		
Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o3.gs	Method	GENSCAN
Start	6648	End	6989
GI	none	Score	.9
Exons	6648..6989		
Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o1.ts	Method	TBLASTX:Soybean
Start	6744	End	6929
GI	none	Score	247
Exons	6744..6929, 6749..6928		
Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-
Start	6648	End	6989
Name	OJ991110_05.0307.C15.o2.tm	Method	TBLASTX:Maize
Start	6744	End	6854
GI	none	Score	182
Exons	6744..6854, 6746..6853		
Seq. No.	39670	Seq. ID	OJ991110_05.0307.C15
Gene No.	82014	Strand	-

Start 6648
Name OJ991110_05.0307.C15.o1.tc
Start 6749
GI none
Exons 6749..6925, 6750..6923

End 6989
Method TBLASTX:Cress
End 6925
Score 204

Seq. No. 39671
Gene No. 82015
Start 59
Name OJ991110_05.0307.C16.o1.gs
Start 59
GI none
Exons 59..632

Seq. ID OJ991110_05.0307.C16
Strand +
End 632
Method GENSCAN
End 632
Score .98

Seq. No. 39671
Gene No. 82016
Start 1709
Name OJ991110_05.0307.C16.o1.np
Start 1706
GI 4587993
Exons 1706..1947, 2403..2512, 2598..2791, 2877..3017, 3137..3287, 3733..4019, 4643..4942

Seq. ID OJ991110_05.0307.C16
Strand -
End 4942
Method AAT/NAP
End 4942
Score 1424

GI Descrip. (AF085279) hypothetical protein [Arabidopsis thaliana]

Seq. No. 39671
Gene No. 82016
Start 1709
Name OJ991110_05.0307.C16.o2.gs
Start 1709
GI none
Exons 1709..1947, 2403..2512, 2598..2791, 2889..2979, 3733..4019, 4643..4930

Seq. ID OJ991110_05.0307.C16
Strand -
End 4942
Method GENSCAN
End 4930
Score .75

Seq. No. 39671
Gene No. 82016
Start 1709
Name OJ991110_05.0307.C16.o1.tm
Start 1820
GI none
Exons 1820..1936, 1823..1936, 1827..1937, 1861..1938, 2404..2439, 2437..2472, 2438..2512, 2449..2514, 2450..2512, 2451..2519, 2593..2640, 2597..2647, 2602..2640, 2623..2658, 2659..2793, 2660..2794, 2663..2794, 2667..2795, 2888..2959, 2889..2960, 2890..2958, 3128..3334, 3138..3335, 3143..3334, 3150..3335, 3154..3342, 3154..3348, 3705..4022, 3724..4020, 3747..4025, 4640..4666, 4640..4819, 4731..4832

Seq. ID OJ991110_05.0307.C16
Strand -
End 4942
Method TBLASTX:Maize
End 4832
Score 133

Seq. No. 39671
Gene No. 82016
Start 1709
Name OJ991110_05.0307.C16.o1.ts
Start 2600
GI none
Exons 2600..2794, 2673..2777, 2871..2960, 2890..2955, 3128..3334, 3138..3335

Seq. ID OJ991110_05.0307.C16
Strand -
End 4942
Method TBLASTX:Soybean
End 3335
Score 67

Seq. No. 39671

Seq. ID OJ991110_05.0307.C16

Gene No.	82016	Strand	-
Start	1709	End	4942
Name	OJ991110_05.0307.C16.o1.tc	Method	TBLASTX:Cress
Start	2645	End	2961
GI	none	Score	91
Exons	2645..2794, 2670..2783, 2871..2960, 2890..2961		

Seq. No.	39672	Seq. ID	OJ991110_05.0307.C17
Gene No.	82017	Strand	+
Start	819	End	982
Name	OJ991110_05.0307.C17.o1.gs	Method	GENSCAN
Start	819	End	982
GI	none	Score	.52
Exons	819..842, 896..982		

Seq. No.	39672	Seq. ID	OJ991110_05.0307.C17
Gene No.	82018	Strand	+
Start	2749	End	4683
Name	OJ991110_05.0307.C17.o1.np	Method	AAT/NAP
Start	2749	End	4680
GI	7487145	Score	397
Exons	2749..2867, 3431..4680		
GI Descrip.	hypothetical protein T18E12.13 - Arabidopsis thaliana gi 3548810 gb AAC34482.1 (AC005313) putative chloroplast nucleoid DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	39672	Seq. ID	OJ991110_05.0307.C17
Gene No.	82018	Strand	+
Start	2749	End	4683
Name	OJ991110_05.0307.C17.o2.gs	Method	GENSCAN
Start	3343	End	4683
GI	none	Score	.98
Exons	3343..4683		

Seq. No.	39672	Seq. ID	OJ991110_05.0307.C17
Gene No.	82018	Strand	+
Start	2749	End	4683
Name	OJ991110_05.0307.C17.o1.tm	Method	TBLASTX:Maize
Start	3436	End	3692
GI	none	Score	93
Exons	3436..3534, 3439..3531, 3606..3692, 3607..3690		

Seq. No.	39673	Seq. ID	OJ991110_05.0307.C19
Gene No.	82019	Strand	+
Start	1	End	1257
Name	OJ991110_05.0307.C19.o1.np	Method	AAT/NAP
Start	1	End	700
GI	5441880	Score	592
Exons	1..128, 219..350, 466..700		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39673	Seq. ID	OJ991110_05.0307.C19
Gene No.	82019	Strand	+
Start	1	End	1257
Name	OJ991110_05.0307.C19.o2.np	Method	AAT/NAP

Start	1	End	1003
GI	7228442	Score	265
Exons	1..128, 819..1003		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39673	Seq. ID	OJ991110_05.0307.C19
Gene No.	82019	Strand	+
Start	1	End	1257
Name	OJ991110_05.0307.C19.o1.gs	Method	GENSCAN
Start	219	End	979
GI	none	Score	.76
Exons	219..350, 414..461, 466..668, 819..979		

Seq. No.	39673	Seq. ID	OJ991110_05.0307.C19
Gene No.	82019	Strand	+
Start	1	End	1257
Name	OJ991110_05.0307.C19.o1.gp	Method	AAT/GAP
Start	804	End	1257
GI	LIB3431-045-P1-N1-A10	Score	852
Exons	804..1257		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o1.np	Method	AAT/NAP
Start	1	End	817
GI	6630696	Score	1309
Exons	1..817		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o1.tw	Method	TBLASTX:Wheat
Start	14	End	489
GI	none	Score	370
Exons	14..400, 16..399, 415..489, 416..484, 424..489		

Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o1.gs	Method	GENSCAN
Start	76	End	411
GI	none	Score	.44
Exons	76..411		

Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o1.ts	Method	TBLASTX:Soybean
Start	127	End	501

GI	none	Score	48
Exons	127..351, 221..352, 382..495, 397..501		
Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o1.tm	Method	TBLASTX:Maize
Start	346	End	693
GI	none	Score	275
Exons	346..693, 347..658		
Seq. No.	39674	Seq. ID	OJ991110_05.0307.C20
Gene No.	82020	Strand	-
Start	1	End	817
Name	OJ991110_05.0307.C20.o2.ts	Method	TBLASTX:Soybean
Start	505	End	765
GI	none	Score	76
Exons	505..684, 512..667, 685..765		
Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.np	Method	AAT/NAP
Start	1	End	2903
GI	2271477	Score	1431
Exons	1..326, 423..517, 640..729, 1050..1098, 1202..1340, 1485..1601, 1698..1788, 1865..2007, 2270..2384, 2700..2744, 2826..2903		
GI Descrip.	(AF009631) AP47/50p [Arabidopsis thaliana]		
Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.tc	Method	TBLASTX:Cress
Start	228	End	2914
GI	none	Score	76
Exons	228..317, 233..325, 234..314, 235..330, 418..546, 422..517, 636..731, 640..732, 650..736, 651..746, 1047..1100, 1047..1097, 1049..1102, 1191..1289, 1193..1288, 1194..1340, 1195..1338, 1467..1604, 1483..1602, 1696..1791, 1698..1793, 1862..2008, 1864..2007, 1878..2012, 2265..2387, 2270..2386, 2699..2752, 2700..2747, 2806..2871, 2820..2870, 2823..2906, 2824..2871, 2825..2914, 2825..2902		
Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	233	End	2386
GI	none	Score	151
Exons	233..325, 235..330, 415..546, 422..517, 424..525, 636..731, 638..730, 640..732, 645..746, 1047..1100, 1049..1099, 1194..1340, 1195..1338, 1204..1365, 1479..1604, 1483..1602, 1496..1615, 1696..1791, 1698..1790, 1699..1791, 1867..2007, 1877..2008, 1883..2008, 2265..2384, 2270..2386		
Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+

Start	1	End	10084
Name	OJ991020_06.0303.C3.o3.tm	Method	TBLASTX:Maize
Start	233	End	540
GI	none	Score	151
Exons	233..325, 233..325, 234..326, 235..330, 415..513, 417..512, 422..517, 424..540		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.gp	Method	AAT/GAP
Start	234	End	1757
GI	34884_1.R1084	Score	1083
Exons	234..326, 423..517, 640..729, 1050..1098, 1202..1340, 1485..1601, 1698..1757		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.gs	Method	GENSCAN
Start	236	End	10084
GI	none	Score	.78
Exons	236..326, 396..517, 640..729, 1050..1098, 1202..1340, 1485..1601, 1698..1788, 1865..2007, 2270..2384, 2700..2744, 2826..2899, 5001..5130, 5674..6045, 6562..6815, 6925..7033, 7532..7670, 8539..8683, 8743..8821, 9022..9055, 9735..10084		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	633	End	3283
GI	none	Score	158
Exons	633..731, 640..732, 1047..1100, 1047..1097, 1049..1111, 1194..1340, 1195..1338, 1200..1355, 1482..1604, 1483..1602, 1696..1791, 1698..1793, 1862..2008, 1864..2007, 1865..2008, 2265..2387, 2270..2386, 2271..2387, 2690..2752, 2700..2747, 2811..2906, 2823..2909, 2824..2913, 2977..3009, 2977..3006, 3018..3071, 3052..3150, 3072..3152, 3218..3283, 3237..3263		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.gp	Method	AAT/GAP
Start	1962	End	3271
GI	22570_1.R1084	Score	1185
Exons	1962..2007, 2270..2384, 2700..2744, 2826..3271		
GI Descrip.	'2245141/emb CAB10562.1 1.0e-17 (Z97344) acetylornithine deacetylase [Arabidopsis thaliana]'		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.tw	Method	TBLASTX:Wheat
Start	2661	End	5228

GI	none	Score	97
Exons	2661..2747, 2681..2746, 2682..2750, 2820..2918, 2820..2918, 2824..2919, 2824..2928, 2941..2964, 2980..3009, 3025..3069, 5172..5228		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o4.ts	Method	TBLASTX:Soybean
Start	2699	End	2906
GI	none	Score	78
Exons	2699..2752, 2700..2747, 2821..2901, 2823..2906, 2825..2905		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o3.gp	Method	AAT/GAP
Start	5623	End	5972
GI	5607379	Score	683
Exons	5623..5972		
GI Descrip.	2245141/emb CAB10562.1 1.0e-17 (Z97344) acetylornithine deacetylase [Arabidopsis thaliana]		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.tc	Method	TBLASTX:Cress
Start	5719	End	6669
GI	none	Score	390
Exons	5719..6045, 5730..5828, 5889..6047, 6562..6597, 6592..6669, 6615..6668		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.ts	Method	TBLASTX:Soybean
Start	5719	End	6681
GI	none	Score	361
Exons	5719..6045, 5736..6047, 6554..6589, 6562..6597, 6598..6681, 6615..6680		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.np	Method	AAT/NAP
Start	5827	End	9406
GI	5738376	Score	1298
Exons	5827..6045, 6562..6815, 6925..7033, 7532..7670, 7785..7842, 8561..8683, 8785..8940, 9022..9055, 9303..9406		
GI Descrip.	(AL021889) N-acetylornithine deacetylase-like protein, fragment [Arabidopsis thaliana]		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o1.tw	Method	TBLASTX:Wheat
Start	5875	End	6979

GI	none	Score	267
Exons	5875..6045, 5875..5937, 5880..6047, 6560..6817, 6561..6818, 6561..6818, 6924..6977, 6925..6978, 6926..6979		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	5994	End	9346
GI	none	Score	71
Exons	5994..6047, 5998..6045, 6561..6818, 6562..6816, 6925..7032, 6926..7033, 7501..7668, 7529..7669, 7530..7670, 7733..7843, 7786..7848, 7787..7843, 8478..8621, 8624..8683, 8625..8684, 8780..8848, 8783..8881, 8818..8940, 8848..8940, 8850..8942, 8985..9056, 9007..9057, 9018..9056, 9281..9346, 9301..9345		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o3.ts	Method	TBLASTX:Soybean
Start	6697	End	8672
GI	none	Score	88
Exons	6697..6816, 6708..6818, 6714..6818, 6913..7020, 6926..7033, 6928..7026, 7529..7669, 7531..7668, 7534..7671, 7786..7875, 7787..7864, 8478..8672, 8558..8671		

Seq. No.	39675	Seq. ID	OJ991020_06.0303.C3
Gene No.	82021	Strand	+
Start	1	End	10084
Name	OJ991020_06.0303.C3.o4.gp	Method	AAT/GAP
Start	7624	End	9521
GI	11461_1.R1084	Score	1126
Exons	7624..7670, 7785..7842, 8561..8683, 8785..8940, 9022..9055, 9303..9521		
GI Descrip.	'2245141/emb CAB10562.1 1.0e-17 (Z97344) acetylornithine deacetylase [Arabidopsis thaliana]'		

Seq. No.	39676	Seq. ID	OJ991020_06.0303.C5
Gene No.	82022	Strand	+
Start	317	End	664
Name	OJ991020_06.0303.C5.o1.gs	Method	GENSCAN
Start	317	End	664
GI	none	Score	.73
Exons	317..387, 433..664		

Seq. No.	39676	Seq. ID	OJ991020_06.0303.C5
Gene No.	82023	Strand	-
Start	2884	End	3026
Name	OJ991020_06.0303.C5.o2.gs	Method	GENSCAN
Start	2884	End	3026
GI	none	Score	.97
Exons	2884..3026		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82024	Strand	+
Start	6397	End	10727
Name	OJ991020_06.0303.C7.o2.np	Method	AAT/NAP

Start	6397	End	10727
GI	6815053	Score	709
Exons	6397..6553, 10318..10463, 10490..10727		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82025	Strand	-
Start	427	End	5117
Name	OJ991020_06.0303.C7.o1.gs	Method	GENSCAN
Start	427	End	5117
GI	none	Score	.63
Exons	427..462, 1069..1244, 1334..1388, 1492..1792, 2266..2293, 2469..2591, 2607..2805, 3178..3290, 3375..3397, 5014..5117		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82025	Strand	-
Start	427	End	5117
Name	OJ991020_06.0303.C7.o1.np	Method	AAT/NAP
Start	1053	End	1758
GI	6671365	Score	523
Exons	1053..1244, 1334..1388, 1492..1758		
GI Descrip.	(AF216497) P-glycoprotein [Gossypium hirsutum]		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82026	Strand	-
Start	6722	End	6814
Name	OJ991020_06.0303.C7.o1.gp	Method	AAT/GAP
Start	6722	End	6814
GI	uC-osflcyp088b12b1	Score	128
Exons	6722..6814		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82027	Strand	-
Start	8219	End	12687
Name	OJ991020_06.0303.C7.o1.tc	Method	TBLASTX:Cress
Start	1054	End	1681
GI	none	Score	220
Exons	1054..1245, 1067..1246, 1338..1391, 1339..1389, 1492..1680, 1493..1681		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82027	Strand	-
Start	8219	End	12687
Name	OJ991020_06.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	1162	End	1687
GI	none	Score	123
Exons	1162..1245, 1163..1246, 1282..1389, 1315..1401, 1317..1391, 1492..1686, 1493..1687		

Seq. No.	39677	Seq. ID	OJ991020_06.0303.C7
Gene No.	82027	Strand	-
Start	8219	End	12687
Name	OJ991020_06.0303.C7.o3.gs	Method	GENSCAN
Start	8219	End	12687
GI	none	Score	.8

Exons 8219..8393, 8511..8751, 9230..9419, 10362..10505, 11562..11595, 12279..12418, 12496..12687

Seq. No.	39678	Seq. ID	OJ991020_06.0303.C8
Gene No.	82028	Strand	+
Start	95	End	489
Name	OJ991020_06.0303.C8.o1.gs	Method	GENSCAN
Start	95	End	489
GI	none	Score	.87
Exons	95..130, 201..310, 402..489		

Seq. No.	39679	Seq. ID	OJ991020_06.0303.C10
Gene No.	82029	Strand	+
Start	257	End	711
Name	OJ991020_06.0303.C10.o1.gs	Method	GENSCAN
Start	257	End	711
GI	none	Score	.49
Exons	257..367, 569..711		

Seq. No.	39679	Seq. ID	OJ991020_06.0303.C10
Gene No.	82030	Strand	-
Start	1	End	719
Name	OJ991020_06.0303.C10.o1.np	Method	AAT/NAP
Start	1	End	719
GI	7508879	Score	95
Exons	1..58, 264..719		
GI Descrip.	hypothetical protein W03D2.1 - Caenorhabditis elegans gi 1947160 gb AAC48255.1 (AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	39680	Seq. ID	OJ991020_06.0303.C11
Gene No.	82031	Strand	-
Start	2217	End	2381
Name	OJ991020_06.0303.C11.o1.gs	Method	GENSCAN
Start	2217	End	2381
GI	none	Score	.61
Exons	2217..2381		

Seq. No.	39681	Seq. ID	OJ991020_06.0303.C12
Gene No.	82032	Strand	+
Start	29	End	545
Name	OJ991020_06.0303.C12.o1.gs	Method	GENSCAN
Start	29	End	545
GI	none	Score	.63
Exons	29..91, 130..303, 330..545		

Seq. No.	39681	Seq. ID	OJ991020_06.0303.C12
Gene No.	82033	Strand	-
Start	2794	End	2911
Name	OJ991020_06.0303.C12.o2.gs	Method	GENSCAN
Start	2794	End	2911
GI	none	Score	.58
Exons	2794..2911		

Seq. No.	39682	Seq. ID	OJ991020_06.0303.C13
Gene No.	82034	Strand	+
Start	897	End	5027

Name	OJ991020_06.0303.C13.o1.np	Method	AAT/NAP
Start	897	End	4135
GI	5852093	Score	67
Exons	897..948, 2231..2413, 3705..3728, 4044..4135		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39682	Seq. ID	OJ991020_06.0303.C13
Gene No.	82034	Strand	+
Start	897	End	5027
Name	OJ991020_06.0303.C13.o2.np	Method	AAT/NAP
Start	3013	End	4577
GI	7485764	Score	315
Exons	3013..3041, 3270..3499, 3931..4101, 4321..4577		
GI Descrip.	hypothetical protein F19D11.9 - Arabidopsis thaliana gi 3510255 gb AAC33499.1 (AC005310) unknown protein [Arabidopsis thaliana]		

Seq. No.	39682	Seq. ID	OJ991020_06.0303.C13
Gene No.	82034	Strand	+
Start	897	End	5027
Name	OJ991020_06.0303.C13.o2.gs	Method	GENSCAN
Start	3137	End	5027
GI	none	Score	.83
Exons	3137..3499, 3931..4515, 4848..5027		

Seq. No.	39682	Seq. ID	OJ991020_06.0303.C13
Gene No.	82034	Strand	+
Start	897	End	5027
Name	OJ991020_06.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	4188	End	4518
GI	none	Score	74
Exons	4188..4223, 4189..4224, 4329..4460, 4330..4518, 4336..4518		

Seq. No.	39682	Seq. ID	OJ991020_06.0303.C13
Gene No.	82034	Strand	+
Start	897	End	5027
Name	OJ991020_06.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	4318	End	4518
GI	none	Score	209
Exons	4318..4518, 4332..4463, 4402..4518		

Seq. No.	39683	Seq. ID	OJ991020_06.0303.C14
Gene No.	82035	Strand	+
Start	499	End	672
Name	OJ991020_06.0303.C14.o1.gs	Method	GENSCAN
Start	499	End	672
GI	none	Score	.67
Exons	499..672		

Seq. No.	39683	Seq. ID	OJ991020_06.0303.C14
Gene No.	82036	Strand	+
Start	2508	End	2749
Name	OJ991020_06.0303.C14.o1.np	Method	AAT/NAP
Start	2508	End	2749
GI	7340881	Score	94
Exons	2508..2749		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39683	Seq. ID	OJ991020_06.0303.C14
Gene No.	82037	Strand	-
Start	1308	End	1437
Name	OJ991020_06.0303.C14.o1.gp	Method	AAT/GAP
Start	1308	End	1437
GI	none	Score	204
Exons	1308..1437		

Seq. No.	39683	Seq. ID	OJ991020_06.0303.C14
Gene No.	82038	Strand	-
Start	1473	End	1932
Name	OJ991020_06.0303.C14.o2.gp	Method	AAT/GAP
Start	1473	End	1932
GI	none	Score	739
Exons	1473..1932		

Seq. No.	39683	Seq. ID	OJ991020_06.0303.C14
Gene No.	82038	Strand	-
Start	1473	End	1932
Name	OJ991020_06.0303.C14.o3.gp	Method	AAT/GAP
Start	1473	End	1932
GI	none	Score	741
Exons	1473..1932		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82039	Strand	+
Start	125	End	412
Name	OJ991020_06.0303.C15.o1.gs	Method	GENSCAN
Start	125	End	412
GI	none	Score	.65
Exons	125..412		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82040	Strand	+
Start	1198	End	11348
Name	OJ991020_06.0303.C15.o2.gs	Method	GENSCAN
Start	1198	End	3994
GI	none	Score	.89
Exons	1198..1254, 2546..3139, 3183..3332, 3761..3994		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82040	Strand	+
Start	1198	End	11348
Name	OJ991020_06.0303.C15.o1.np	Method	AAT/NAP
Start	3761	End	11345
GI	4680179	Score	7472
Exons	3761..3982, 7008..11345		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82040	Strand	+
Start	1198	End	11348
Name	OJ991020_06.0303.C15.o4.gs	Method	GENSCAN
Start	8240	End	11348
GI	none	Score	.46
Exons	8240..8616, 8632..9052, 9062..9247, 9304..9802, 10096..10560,		

10594..11348

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82041	Strand	-
Start	4741	End	7741
Name	OJ991020_06.0303.C15.o3.gs	Method	GENSCAN
Start	4741	End	7741
GI	none	Score	.74
Exons	4741..4946, 5001..5227, 6129..6228, 6656..6791, 7438..7502, 7663..7741		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82041	Strand	-
Start	4741	End	7741
Name	OJ991020_06.0303.C15.o7.tw	Method	TBLASTX:Wheat
Start	7053	End	7394
GI	none	Score	278
Exons	7053..7391, 7056..7394		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82042	Strand	-
Start	7931	End	8347
Name	OJ991020_06.0303.C15.o8.tw	Method	TBLASTX:Wheat
Start	7931	End	8347
GI	none	Score	144
Exons	7931..8125, 7981..8079, 8165..8347, 8191..8346		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82043	Strand	-
Start	8510	End	9408
Name	OJ991020_06.0303.C15.o3.tw	Method	TBLASTX:Wheat
Start	8510	End	8992
GI	none	Score	525
Exons	8510..8992, 8614..8949, 8621..8989		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82043	Strand	-
Start	8510	End	9408
Name	OJ991020_06.0303.C15.o4.tm	Method	TBLASTX:Maize
Start	8579	End	9046
GI	none	Score	366
Exons	8579..9046, 8666..9013		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82043	Strand	-
Start	8510	End	9408
Name	OJ991020_06.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	8933	End	9327
GI	none	Score	57
Exons	8933..8965, 8933..8977, 8965..9012, 8969..9196, 8973..9041, 9085..9195, 9153..9326, 9169..9327		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82043	Strand	-
Start	8510	End	9408
Name	OJ991020_06.0303.C15.o6.tw	Method	TBLASTX:Wheat
Start	9041	End	9342

GI	none	Score	176
Exons	9041..9196, 9042..9143, 9079..9195, 9153..9341, 9168..9335, 9169..9342		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82043	Strand	
Start	8510	End	9408
Name	OJ991020_06.0303.C15.o5.tm	Method	TBLASTX:Maize
Start	9153	End	9408
GI	none	Score	223
Exons	9153..9407, 9196..9408		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82044	Strand	
Start	9343	End	9852
Name	OJ991020_06.0303.C15.o2.tw	Method	TBLASTX:Wheat
Start	9343	End	9852
GI	none	Score	609
Exons	9343..9852, 9345..9686, 9421..9753, 9729..9761		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82044	Strand	
Start	9343	End	9852
Name	OJ991020_06.0303.C15.o3.ts	Method	TBLASTX:Soybean
Start	9349	End	9594
GI	none	Score	193
Exons	9349..9594		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82044	Strand	
Start	9343	End	9852
Name	OJ991020_06.0303.C15.o2.tm	Method	TBLASTX:Maize
Start	9415	End	9780
GI	none	Score	468
Exons	9415..9768, 9417..9683, 9468..9773, 9469..9780		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82045	Strand	
Start	9946	End	11335
Name	OJ991020_06.0303.C15.o4.tw	Method	TBLASTX:Wheat
Start	9946	End	10334
GI	none	Score	57
Exons	9946..9996, 9959..10018, 10011..10334, 10079..10333		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82045	Strand	
Start	9946	End	11335
Name	OJ991020_06.0303.C15.o2.ts	Method	TBLASTX:Soybean
Start	10122	End	10382
GI	none	Score	288
Exons	10122..10382, 10127..10381		

Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82045	Strand	
Start	9946	End	11335
Name	OJ991020_06.0303.C15.o3.tm	Method	TBLASTX:Maize
Start	10181	End	10472

GI	none	Score	380
Exons	10181..10465, 10182..10472, 10326..10466		
Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82045	Strand	
Start	9946	End	11335
Name	OJ991020_06.0303.C15.o1.tw	Method	TBLASTX:Wheat
Start	10341	End	10967
GI	none	Score	688
Exons	10341..10967, 10343..10966		
Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82045	Strand	
Start	9946	End	11335
Name	OJ991020_06.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	10521	End	11120
GI	none	Score	217
Exons	10521..10682, 10529..10675, 10680..11120, 10682..11107		
Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82045	Strand	
Start	9946	End	11335
Name	OJ991020_06.0303.C15.o5.tw	Method	TBLASTX:Wheat
Start	10968	End	11335
GI	none	Score	364
Exons	10968..11300, 10995..11075, 11060..11176, 11282..11335		
Seq. No.	39684	Seq. ID	OJ991020_06.0303.C15
Gene No.	82045	Strand	
Start	9946	End	11335
Name	OJ991020_06.0303.C15.o6.tm	Method	TBLASTX:Maize
Start	11124	End	11321
GI	none	Score	197
Exons	11124..11321		
Seq. No.	39685	Seq. ID	OJ991020_06.0303.C16
Gene No.	82046	Strand	-
Start	275	End	1043
Name	OJ991020_06.0303.C16.o1.np	Method	AAT/NAP
Start	275	End	1043
GI	5295955	Score	721
Exons	275..858, 898..1043		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome. (V01555) [Oryza sativa]		
Seq. No.	39685	Seq. ID	OJ991020_06.0303.C16
Gene No.	82046	Strand	-
Start	275	End	1043
Name	OJ991020_06.0303.C16.o1.gs	Method	GENSCAN
Start	419	End	1010
GI	none	Score	.67
Exons	419..1010		
Seq. No.	39686	Seq. ID	OJ991020_06.0303.C17
Gene No.	82047	Strand	+
Start	902	End	2698
Name	OJ991020_06.0303.C17.o1.gs	Method	GENSCAN

Start	902	End	2665
GI	none	Score	.71
Exons	902..950, 1311..1347, 1531..1669, 2070..2243, 2286..2377, 2422..2665		

Seq. No.	39686	Seq. ID	OJ991020_06.0303.C17
Gene No.	82047	Strand	+
Start	902	End	2698
Name	OJ991020_06.0303.C17.o1.np	Method	AAT/NAP
Start	1841	End	2698
GI	7340881	Score	542
Exons	1841..1923, 2070..2193, 2286..2384, 2442..2698		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	39686	Seq. ID	OJ991020_06.0303.C17
Gene No.	82048	Strand	+
Start	3494	End	4080
Name	OJ991020_06.0303.C17.o3.np	Method	AAT/NAP
Start	3494	End	4080
GI	6721561	Score	95
Exons	3494..3585, 4058..4080		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39686	Seq. ID	OJ991020_06.0303.C17
Gene No.	82049	Strand	-
Start	2900	End	3016
Name	OJ991020_06.0303.C17.o2.gs	Method	GENSCAN
Start	2900	End	3016
GI	none	Score	.42
Exons	2900..3016		

Seq. No.	39686	Seq. ID	OJ991020_06.0303.C17
Gene No.	82050	Strand	-
Start	3372	End	3523
Name	OJ991020_06.0303.C17.o2.np	Method	AAT/NAP
Start	3372	End	3523
GI	4680183	Score	123
Exons	3372..3523		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39687	Seq. ID	OJ991020_06.0303.C18
Gene No.	82051	Strand	+
Start	1	End	2533
Name	OJ991020_06.0303.C18.o1.np	Method	AAT/NAP
Start	1	End	2533
GI	5917666	Score	80
Exons	1..88, 1179..1350, 2084..2533		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	39687	Seq. ID	OJ991020_06.0303.C18
Gene No.	82051	Strand	+
Start	1	End	2533
Name	OJ991020_06.0303.C18.o2.gp	Method	AAT/GAP

Start 2251
GI 2311084
Exons 2251..2521

End 2521
Score 503

Seq. No. 39687
Gene No. 82052
Start 1
Name OJ991020_06.0303.C18.o1.gp
Start 1
GI none
Exons 1..269

Seq. ID OJ991020_06.0303.C18
Strand -
End 2621
Method AAT/GAP
End 269
Score 385

Seq. No. 39687
Gene No. 82052
Start 1
Name OJ991020_06.0303.C18.o1.gs
Start 33
GI none
Exons 33..166, 220..297, 881..1077,
Seq. ID OJ991020_06.0303.C18
Strand -
End 2621
Method GENSCAN
End 2621
Score .71
1137..1168, 1313..1483, 2538..2621

Seq. No. 39688
Gene No. 82053
Start 120
Name OJ991020_06.0303.C19.o1.gp
Start 120
GI none
Exons 120..260, 932..1037, 1146..1390

Seq. ID OJ991020_06.0303.C19
Strand +
End 1961
Method AAT/GAP
End 1390
Score 908

Seq. No. 39688
Gene No. 82053
Start 120
Name OJ991020_06.0303.C19.o1.gs
Start 998
GI none
Exons 998..1000, 1521..1649

Seq. ID OJ991020_06.0303.C19
Strand +
End 1961
Method GENSCAN
End 1649
Score .7

Seq. No. 39688
Gene No. 82053
Start 120
Name OJ991020_06.0303.C19.o2.gp
Start 1523
GI 5002888
Exons 1523..1961

Seq. ID OJ991020_06.0303.C19
Strand +
End 1961
Method AAT/GAP
End 1961
Score 628

Seq. No. 39688
Gene No. 82054
Start 5847
Name OJ991020_06.0303.C19.o3.gp
Start 5847
GI 428437
Exons 5847..6155

Seq. ID OJ991020_06.0303.C19
Strand -
End 6155
Method AAT/GAP
End 6155
Score 600

Seq. No. 39688
Gene No. 82055
Start 6540
Name OJ991020_06.0303.C19.o1.np
Start 6540

Seq. ID OJ991020_06.0303.C19
Strand -
End 7390
Method AAT/NAP
End 7390

GI 6017119 Score 521
 Exons 6540..7390
 GI Descrip. (AC009895) unknown protein [Arabidopsis thaliana]

Seq. No. 39688 Seq. ID OJ991020_06.0303.C19
 Gene No. 82056 Strand -
 Start 9998 End 10138
 Name OJ991020_06.0303.C19.o2.tm Method TBLASTX:Maize
 Start 6365 End 6836
 GI none Score 45
 Exons 6365..6388, 6367..6390, 6396..6476, 6398..6433, 6402..6539,
 6403..6546, 6403..6495, 6443..6556, 6513..6659, 6542..6607,
 6624..6683, 6683..6742, 6697..6723, 6698..6724, 6707..6835,
 6732..6836

Seq. No. 39688 Seq. ID OJ991020_06.0303.C19
 Gene No. 82056 Strand -
 Start 9998 End 10138
 Name OJ991020_06.0303.C19.o1.ts Method TBLASTX:Soybean
 Start 6686 End 7000
 GI none Score 133
 Exons 6686..7000, 6747..6968

Seq. No. 39688 Seq. ID OJ991020_06.0303.C19
 Gene No. 82056 Strand -
 Start 9998 End 10138
 Name OJ991020_06.0303.C19.o1.tc Method TBLASTX:Cress
 Start 6782 End 7000
 GI none Score 74
 Exons 6782..7000, 6789..6926

Seq. No. 39688 Seq. ID OJ991020_06.0303.C19
 Gene No. 82056 Strand -
 Start 9998 End 10138
 Name OJ991020_06.0303.C19.o1.tm Method TBLASTX:Maize
 Start 6896 End 7343
 GI none Score 92
 Exons 6896..7030, 6912..7028, 6914..7036, 7028..7198, 7100..7201,
 7101..7244, 7242..7343, 7247..7342

Seq. No. 39688 Seq. ID OJ991020_06.0303.C19
 Gene No. 82056 Strand -
 Start 9998 End 10138
 Name OJ991020_06.0303.C19.o2.tc Method TBLASTX:Cress
 Start 7124 End 7355
 GI none Score 88
 Exons 7124..7201, 7125..7226, 7221..7355, 7274..7354

Seq. No. 39688 Seq. ID OJ991020_06.0303.C19
 Gene No. 82056 Strand -
 Start 9998 End 10138
 Name OJ991020_06.0303.C19.o3.gs Method GENSCAN
 Start 9998 End 10138
 GI none Score .62
 Exons 9998..10138

Seq. No. 39689 Seq. ID OJ991020_06.0303.C20

Gene No.	82057	Strand	+
Start	4234	End	4347
Name	OJ991020_06.0303.C20.o1.gp	Method	AAT/GAP
Start	4234	End	4347
GI	LIB3477-003-P1-K1-E9	Score	146
Exons	4234..4347		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82058	Strand	+
Start	1022	End	2921
Name	OJ991020_06.0303.C21.o1.gs	Method	GENSCAN
Start	1022	End	2921
GI	none	Score	.7
Exons	1022..1060, 1775..1916, 2138..2296, 2609..2921		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82059	Strand	+
Start	2906	End	3569
Name	OJ991020_06.0303.C21.o1.gp	Method	AAT/GAP
Start	2906	End	3569
GI	none	Score	1226
Exons	2906..3569		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82060	Strand	-
Start	3367	End	5512
Name	OJ991020_06.0303.C21.o2.gs	Method	GENSCAN
Start	3367	End	4415
GI	none	Score	.65
Exons	3367..3972, 4070..4276, 4365..4415		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82060	Strand	-
Start	3367	End	5512
Name	OJ991020_06.0303.C21.o1.np	Method	AAT/NAP
Start	3370	End	5512
GI	6714272	Score	676
Exons	3370..3591, 3754..3972, 4070..4255, 5474..5512		
GI Descrip.	(AC017118) F6N18.8 [Arabidopsis thaliana]		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82060	Strand	-
Start	3367	End	5512
Name	OJ991020_06.0303.C21.o2.gp	Method	AAT/GAP
Start	3834	End	4535
GI	12230_2.R1084	Score	975
Exons	3834..3972, 4070..4276, 4365..4535		
GI Descrip.	'2894599/emb CAA17133.1 3.0e-45 (AL021889) putative protein [Arabidopsis thaliana]'		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82061	Strand	-
Start	5574	End	10032
Name	OJ991020_06.0303.C21.o1.tc	Method	TBLASTX:Cress

Start	3337	End	5844
GI	none	Score	218
Exons	3337..3408, 3391..3459, 3754..3975, 3758..3973, 3818..3976, 3844..3975, 4067..4255, 4122..4259, 5728..5844		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82061	Strand	-
Start	5574	End	10032
Name	OJ991020_06.0303.C21.o1.tm	Method	TBLASTX:Maize
Start	3367	End	4419
GI	none	Score	79
Exons	3367..3432, 3368..3412, 3415..3570, 3446..3550, 3634..3687, 3635..3688, 3754..3975, 3758..3973, 3844..3975, 4067..4267, 4119..4268, 4369..4419		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82061	Strand	-
Start	5574	End	10032
Name	OJ991020_06.0303.C21.o1.ts	Method	TBLASTX:Soybean
Start	3367	End	5844
GI	none	Score	258
Exons	3367..3459, 3418..3477, 3754..3975, 3758..3973, 3841..3975, 3878..3976, 4067..4246, 4122..4271, 5728..5844		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82061	Strand	-
Start	5574	End	10032
Name	OJ991020_06.0303.C21.o1.tw	Method	TBLASTX:Wheat
Start	3838	End	4268
GI	none	Score	186
Exons	3838..3975, 3839..3973, 3841..3975, 4067..4267, 4119..4268		

Seq. No.	39690	Seq. ID	OJ991020_06.0303.C21
Gene No.	82061	Strand	-
Start	5574	End	10032
Name	OJ991020_06.0303.C21.o3.gs	Method	GENSCAN
Start	5574	End	10032
GI	none	Score	.71
Exons	5574..5618, 5627..5784, 5893..6059, 9892..10032		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82062	Strand	+
Start	642	End	6044
Name	OJ991020_06.0303.C24.o1.np	Method	AAT/NAP
Start	642	End	6026
GI	6671365	Score	3995
Exons	642..768, 2227..2427, 2523..2782, 2872..3798, 3890..4550, 4627..4874, 4965..5377, 5479..6026		
GI Descrip.	(AF216497) P-glycoprotein [Gossypium hirsutum]		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82062	Strand	+
Start	642	End	6044
Name	OJ991020_06.0303.C24.o1.gs	Method	GENSCAN
Start	1018	End	6044
GI	none	Score	.89
Exons	1018..1023, 2227..2514, 2523..2782, 2872..3798, 3890..4550,		

4627..4874, 4965..5377, 5479..5699, 5757..6044

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82062	Strand	+
Start	642	End	6044
Name	OJ991020_06.0303.C24.o1.gp	Method	AAT/GAP
Start	4486	End	5068
GI	uC-osflcyp179c11b1	Score	722
Exons	4486..4550, 4627..4874, 4965..5068		
GI Descrip.	'2108252/emb CAA71277 2.0e-54 (Y10228) P-glycoprotein-2 [Arabidopsis thaliana] >gi_2108254_emb_CAA71276_ (Y10227) P-glycoprotein-2 [Arabidopsis thaliana] >gi_4538925_emb_CAB39661.1_ (AL049483) P-glycoprotein-2 (pgp2) [Arabidopsis thaliana]'		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82063	Strand	-
Start	5861	End	6294
Name	OJ991020_06.0303.C24.o2.gp	Method	AAT/GAP
Start	5861	End	6294
GI	uC-osflcyp179c11a1	Score	824
Exons	5861..6294		
GI Descrip.	'2108252/emb CAA71277 1.0e-11 (Y10228) P-glycoprotein-2 [Arabidopsis thaliana] >gi_2108254_emb_CAA71276_ (Y10227) P-glycoprotein-2 [Arabidopsis thaliana] >gi_4538925_emb_CAB39661.1_ (AL049483) P-glycoprotein-2 (pgp2) [Arabidopsis thaliana]'		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o1.tc	Method	TBLASTX:Cress
Start	2224	End	6002
GI	none	Score	305
Exons	2224..2430, 2226..2315, 2382..2429, 2520..2783, 2522..2614, 2654..2836, 2744..2788, 2872..3717, 2873..3802, 2996..3745, 3004..3294, 3086..3319, 3140..3757, 3352..3696, 3873..3920, 3887..3922, 4002..4550, 4014..4388, 4031..4549, 4485..4553, 4617..4871, 4621..4875, 4624..4875, 4663..4875, 4951..5223, 4966..5379, 5155..5379, 5217..5378, 5217..5378, 5468..5698, 5474..5581, 5478..6002, 5478..6002, 5648..5701, 5738..6001, 5744..5983		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o1.ts	Method	TBLASTX:Soybean
Start	2227	End	5576
GI	none	Score	106
Exons	2227..2442, 2912..3304, 2914..3114, 3169..3297, 4254..4529, 4624..4875, 4954..5145, 5134..5379, 5478..5576		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o1.tm	Method	TBLASTX:Maize
Start	2987	End	5687

GI	none	Score	311
Exons	2987..3415, 3004..3294, 3101..3328, 3276..3326, 4532..4549, 4532..4549, 4621..4875, 4624..4875, 4626..4913, 4956..5024, 4959..5378, 4966..5379, 5478..5687, 5478..5666		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o2.ts	Method	TBLASTX:Soybean
Start	3388	End	6002
GI	none	Score	406
Exons	3388..3696, 3389..3748, 5661..6002, 5663..6001		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o1.tw	Method	TBLASTX:Wheat
Start	3407	End	5930
GI	none	Score	317
Exons	3407..3658, 3415..3654, 5679..5930, 5687..5926		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o2.tm	Method	TBLASTX:Maize
Start	3415	End	6002
GI	none	Score	384
Exons	3415..3693, 3416..3772, 3419..3760, 5687..6001, 5688..6002, 5886..6002		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o3.tm	Method	TBLASTX:Maize
Start	4140	End	4484
GI	none	Score	212
Exons	4140..4484, 4233..4343, 4373..4483		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o3.np	Method	AAT/NAP
Start	6893	End	9413
GI	114521	Score	198
Exons	6893..6918, 9152..9413		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN gi 67827 pir PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast gi 11979 emb CAA33993 (X15901) ATPase alpha subunit [Oryza sativa] gi 226696 prf 1603356X ATPase alpha [Oryza sativa]		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o2.gs	Method	GENSCAN
Start	7202	End	9473
GI	none	Score	.8
Exons	7202..7252, 7389..7625, 7861..8079, 9345..9473		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o2.np	Method	AAT/NAP
Start	7486	End	9222
GI	7452044	Score	50
Exons	7486..7913, 9201..9222		
GI Descrip.	hypothetical protein F27B13.20 - Arabidopsis thaliana gi 4914402 emb CAB43653.1 (AL050352) hypothetical protein [Arabidopsis thaliana] gi 7269877 emb CAB79736.1 (AL161575) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39691	Seq. ID	OJ991020_06.0303.C24
Gene No.	82064	Strand	-
Start	7202	End	9473
Name	OJ991020_06.0303.C24.o4.tm	Method	TBLASTX:Maize
Start	7500	End	7687
GI	none	Score	87
Exons	7500..7604, 7501..7560, 7624..7686, 7634..7687		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82065	Strand	+
Start	2978	End	5188
Name	OJ991020_06.0303.C25.o1.np	Method	AAT/NAP
Start	2912	End	5146
GI	7485060	Score	816
Exons	2912..3138, 4328..4598, 4767..4937, 5024..5146		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi 2245138 emb CAB10559.1 (Z97344) hypothetical protein [Arabidopsis thaliana] gi 7268532 emb CAB78782.1 (AL161547) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82065	Strand	+
Start	2978	End	5188
Name	OJ991020_06.0303.C25.o2.gs	Method	GENSCAN
Start	2978	End	5188
GI	none	Score	.87
Exons	2978..3138, 4328..4598, 4767..4937, 5024..5188		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82066	Strand	-
Start	5857	End	6914
Name	OJ991020_06.0303.C25.o1.tm	Method	TBLASTX:Maize
Start	2995	End	5262
GI	none	Score	140
Exons	2995..3138, 2996..3139, 4320..4439, 4332..4589, 4333..4446, 4343..4600, 4376..4600, 4512..4601, 4764..4937, 4766..4936, 4774..4938, 5018..5152, 5023..5148, 5024..5176, 5224..5262		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82066	Strand	-
Start	5857	End	6914
Name	OJ991020_06.0303.C25.o1.ts	Method	TBLASTX:Soybean
Start	3005	End	5166
GI	none	Score	100

Exons 3005..3136, 4320..4439, 4339..4455, 4343..4600, 4376..4588, 4761..4937, 4764..4934, 4766..4936, 4775..4939, 5018..5143, 5023..5166, 5023..5157

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82066	Strand	-
Start	5857	End	6914
Name	OJ991020_06.0303.C25.o1.tc	Method	TBLASTX:Cress
Start	4430	End	4937
GI	none	Score	116
Exons	4430..4588, 4512..4601, 4739..4933, 4764..4937		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82066	Strand	-
Start	5857	End	6914
Name	OJ991020_06.0303.C25.o3.gs	Method	GENSCAN
Start	5857	End	6914
GI	none	Score	.85
Exons	5857..5923, 6215..6473, 6790..6914		

Seq. No.	39692	Seq. ID	OJ991020_06.0303.C25
Gene No.	82066	Strand	-
Start	5857	End	6914
Name	OJ991020_06.0303.C25.o1.gp	Method	AAT/GAP
Start	5954	End	6911
GI	4714975	Score	1160
Exons	5954..6473, 6790..6911		

Seq. No.	39693	Seq. ID	OJ991020_06.0303.C26
Gene No.	82067	Strand	-
Start	1	End	7379
Name	OJ991020_06.0303.C26.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	2312174	Score	153
Exons	1..84		

Seq. No.	39693	Seq. ID	OJ991020_06.0303.C26
Gene No.	82067	Strand	-
Start	1	End	7379
Name	OJ991020_06.0303.C26.o1.np	Method	AAT/NAP
Start	1	End	1500
GI	7487780	Score	444
Exons	1..217, 298..633, 707..879, 1168..1269, 1371..1500		
GI Descrip.	hypothetical protein T6K21.70 - Arabidopsis thaliana gi 2894598 emb CAA17132.1 (AL021889) putative protein [Arabidopsis thaliana] gi 7268541 emb CAB78791.1 (AL161547) putative protein [Arabidopsis thaliana]		

Seq. No.	39693	Seq. ID	OJ991020_06.0303.C26
Gene No.	82067	Strand	-
Start	1	End	7379
Name	OJ991020_06.0303.C26.o2.gp	Method	AAT/GAP
Start	91	End	615
GI	4714974	Score	831
Exons	91..214, 298..615		
GI Descrip.	2894598/emb CAA17132.1 2.0e-33 (AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	39693	Seq. ID	OJ991020_06.0303.C26
Gene No.	82067	Strand	-
Start	1	End	7379
Name	OJ991020_06.0303.C26.o1.tm	Method	TBLASTX:Maize
Start	92	End	877
GI	none	Score	62
Exons	92..187, 170..235, 307..390, 310..372, 382..588, 391..627, 704..877		

Seq. No.	39693	Seq. ID	OJ991020_06.0303.C26
Gene No.	82067	Strand	-
Start	1	End	7379
Name	OJ991020_06.0303.C26.o1.gs	Method	GENSCAN
Start	95	End	7379
GI	none	Score	.66
Exons	95..214, 298..633, 1193..1278, 1380..1500, 1952..2029, 2071..2163, 2853..2963, 3247..3330, 3987..4178, 6628..6788, 7373..7379		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82068	Strand	+
Start	534	End	3088
Name	OJ991020_06.0303.C27.o1.gp	Method	AAT/GAP
Start	534	End	3088
GI	15624 1.R1084	Score	1343
Exons	534..767, 2118..2195, 2274..2349, 2505..2578, 2666..2736, 2866..3088		
GI Descrip.	'1169369/sp P30725 DNAJ_CLOAB 5.0e-16 DNAJ PROTEIN >gi_541427_pir_S41758 heat shock protein dnaJ - Clostridium acetobutylicum >gi_433079_emb_CAA48792_ (X69050) DnaJ [Clostridium acetobutylicum]'		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82068	Strand	+
Start	534	End	3088
Name	OJ991020_06.0303.C27.o1.gs	Method	GENSCAN
Start	625	End	2740
GI	none	Score	.71
Exons	625..767, 2115..2195, 2274..2349, 2505..2578, 2666..2740		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82068	Strand	+
Start	534	End	3088
Name	OJ991020_06.0303.C27.o1.np	Method	AAT/NAP
Start	2106	End	2559
GI	1169369	Score	108
Exons	2106..2195, 2274..2349, 2505..2559		
GI Descrip.	DNAJ PROTEIN gi 541427 pir S41758 heat shock protein dnaJ - Clostridium acetobutylicum gi 433079 emb CAA48792 (X69050) DnaJ [Clostridium acetobutylicum]		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82069	Strand	+
Start	4407	End	4523
Name	OJ991020_06.0303.C27.o2.gp	Method	AAT/GAP
Start	4407	End	4523

GI LIB3431-045-P1-N1-A10 Score 189
 Exons 4407..4523
 GI Descrip. '5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No. 39694 Seq. ID OJ991020_06.0303.C27
 Gene No. 82070 Strand -
 Start 4071 End 15836
 Name OJ991020_06.0303.C27.o1.ts Method TBLASTX:Soybean
 Start 2115 End 2695
 GI none Score 114
 Exons 2115..2195, 2116..2205, 2276..2347, 2277..2345, 2498..2578, 2666..2695

Seq. No. 39694 Seq. ID OJ991020_06.0303.C27
 Gene No. 82070 Strand -
 Start 4071 End 15836
 Name OJ991020_06.0303.C27.o2.gs Method GENSCAN
 Start 4071 End 5821
 GI none Score .78
 Exons 4071..4193, 5333..5410, 5477..5635, 5819..5821

Seq. No. 39694 Seq. ID OJ991020_06.0303.C27
 Gene No. 82070 Strand -
 Start 4071 End 15836
 Name OJ991020_06.0303.C27.o2.np Method AAT/NAP
 Start 4902 End 15836
 GI 7228438 Score 3594
 Exons 4902..5162, 5333..5635, 6878..6943, 7101..7283, 7376..7634, 7711..8009, 8101..8511, 8596..8694, 10208..10513, 15792..15836
 GI Descrip. (AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]

Seq. No. 39694 Seq. ID OJ991020_06.0303.C27
 Gene No. 82070 Strand -
 Start 4071 End 15836
 Name OJ991020_06.0303.C27.o3.gs Method GENSCAN
 Start 6048 End 12075
 GI none Score .71
 Exons 6048..6208, 6359..6561, 6566..6613, 6677..6787, 7050..7131, 7163..7283, 7376..7634, 7711..8009, 8101..8511, 8686..8932, 9038..9188, 9628..9923, 10125..10353, 11256..11362, 11930..12075

Seq. No. 39694 Seq. ID OJ991020_06.0303.C27
 Gene No. 82070 Strand -
 Start 4071 End 15836
 Name OJ991020_06.0303.C27.o3.gp Method AAT/GAP
 Start 7384 End 7883
 GI LIB3475-007-P1-K1-G8 Score 789
 Exons 7384..7634, 7711..7883
 GI Descrip. '5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No. 39694 Seq. ID OJ991020_06.0303.C27
 Gene No. 82070 Strand -

Start	4071	End	15836
Name	OJ991020_06.0303.C27.o3.np	Method	AAT/NAP
Start	10692	End	11007
GI	6721543	Score	99
Exons	10692..10803, 10878..11007		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82070	Strand	-
Start	4071	End	15836
Name	OJ991020_06.0303.C27.o4.gp	Method	AAT/GAP
Start	10844	End	10993
GI	7406_1.R1084	Score	209
Exons	10844..10993		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	39694	Seq. ID	OJ991020_06.0303.C27
Gene No.	82070	Strand	-
Start	4071	End	15836
Name	OJ991020_06.0303.C27.o4.np	Method	AAT/NAP
Start	13218	End	13835
GI	3668085	Score	126
Exons	13218..13316, 13350..13835		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39695	Seq. ID	OJ991020_06.0303.C28
Gene No.	82071	Strand	+
Start	174	End	1935
Name	OJ991020_06.0303.C28.o1.np	Method	AAT/NAP
Start	174	End	1935
GI	6721512	Score	84
Exons	174..223, 1729..1880, 1908..1935		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	39695	Seq. ID	OJ991020_06.0303.C28
Gene No.	82072	Strand	-
Start	50	End	1817
Name	OJ991020_06.0303.C28.o1.gs	Method	GENSCAN
Start	50	End	1817
GI	none	Score	.84
Exons	50..509, 1027..1060, 1772..1817		

Seq. No.	39696	Seq. ID	OJ991020_06.0303.C29
Gene No.	82073	Strand	+
Start	144	End	262
Name	OJ991020_06.0303.C29.o1.gs	Method	GENSCAN
Start	144	End	262
GI	none	Score	.92
Exons	144..262		

Seq. No.	39697	Seq. ID	OJ991110_06.0330.C1
Gene No.	82074	Strand	+
Start	1	End	1017
Name	OJ991110_06.0330.C1.o1.np	Method	AAT/NAP
Start	1	End	1017
GI	4416302	Score	531

Exons 1..837, 986..1017
 GI Descrip. (AF105716) copia-type pol polyprotein [Zea mays]

Seq. No.	39697	Seq. ID	OJ991110_06.0330.C1
Gene No.	82074	Strand	+
Start	1	End	1017
Name	OJ991110_06.0330.C1.o1.tw	Method	TBLASTX:Wheat
Start	15	End	560
GI	none	Score	110
Exons	15..245, 284..475, 397..423, 497..559, 504..560		

Seq. No.	39697	Seq. ID	OJ991110_06.0330.C1
Gene No.	82074	Strand	+
Start	1	End	1017
Name	OJ991110_06.0330.C1.o1.gs	Method	GENSCAN
Start	299	End	990
GI	none	Score	.59
Exons	299..410, 896..990		

Seq. No.	39697	Seq. ID	OJ991110_06.0330.C1
Gene No.	82074	Strand	+
Start	1	End	1017
Name	OJ991110_06.0330.C1.o1.tm	Method	TBLASTX:Maize
Start	305	End	836
GI	none	Score	116
Exons	305..478, 391..423, 504..716, 506..715, 711..836		

Seq. No.	39697	Seq. ID	OJ991110_06.0330.C1
Gene No.	82074	Strand	+
Start	1	End	1017
Name	OJ991110_06.0330.C1.o1.ts	Method	TBLASTX:Soybean
Start	413	End	836
GI	none	Score	50
Exons	413..475, 504..698, 504..590, 506..706, 735..836		

Seq. No.	39698	Seq. ID	OJ991110_06.0330.C2
Gene No.	82075	Strand	+
Start	1	End	703
Name	OJ991110_06.0330.C2.o1.np	Method	AAT/NAP
Start	1	End	703
GI	4416302	Score	656
Exons	1..703		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	39698	Seq. ID	OJ991110_06.0330.C2
Gene No.	82076	Strand	+
Start	1834	End	7648
Name	OJ991110_06.0330.C2.o1.tm	Method	TBLASTX:Maize
Start	39	End	666
GI	none	Score	191
Exons	39..233, 47..229, 240..353, 241..360, 354..581, 355..639, 460..666		

Seq. No.	39698	Seq. ID	OJ991110_06.0330.C2
Gene No.	82076	Strand	+
Start	1834	End	7648
Name	OJ991110_06.0330.C2.o1.ts	Method	TBLASTX:Soybean

Start 69
 GI none
 Exons 69..242, 241..357, 451..636

End 636
 Score 103

Seq. No. 39698
 Gene No. 82076
 Start 1834
 Name OJ991110_06.0330.C2.o1.gs
 Start 1834
 GI none
 Exons 1834..1849, 2579..2803, 3944..4074, 4462..4978, 5138..5256, 5258..5392, 7451..7648

Seq. ID OJ991110_06.0330.C2
 Strand +
 End 7648
 Method GENSCAN
 End 7648
 Score .52

Seq. No. 39699
 Gene No. 82077
 Start 65
 Name OJ991110_06.0330.C3.o1.gs
 Start 65
 GI none
 Exons 65..264, 654..880, 2229..2341

Seq. ID OJ991110_06.0330.C3
 Strand +
 End 2341
 Method GENSCAN
 End 2341
 Score .7

Seq. No. 39699
 Gene No. 82078
 Start 4638
 Name OJ991110_06.0330.C3.o2.gs
 Start 4638
 GI none
 Exons 4638..4799, 5792..5969, 6378..6459, 6696..6816, 8958..9260, 9343..10422

Seq. ID OJ991110_06.0330.C3
 Strand +
 End 11032
 Method GENSCAN
 End 10422
 Score .75

Seq. No. 39699
 Gene No. 82078
 Start 4638
 Name OJ991110_06.0330.C3.o1.np
 Start 8773
 GI 7228448
 Exons 8773..8874, 9074..9148, 9190..9311, 9367..9529, 11012..11032
 GI Descrip. (AP001366) ESTs AU068685(C30691), AU068684(C30691) correspond to a region of the predicted gene.; Similar to Genomic sequence for Arabidopsis thaliana BAC F21J9, F21J9.24. (AC000103) [Oryza sativa]

Seq. ID OJ991110_06.0330.C3
 Strand +
 End 11032
 Method AAT/NAP
 End 11032
 Score 78

Seq. No. 39699
 Gene No. 82079
 Start 16022
 Name OJ991110_06.0330.C3.o3.gs
 Start 16022
 GI none
 Exons 16022..16149, 16410..16432, 16950..17019, 17174..17330, 17859..17959, 18159..18229, 18306..18437

Seq. ID OJ991110_06.0330.C3
 Strand +
 End 18437
 Method GENSCAN
 End 18437
 Score .59

Seq. No. 39699
 Gene No. 82080
 Start 14982
 Name OJ991110_06.0330.C3.o2.np
 Start 14982
 GI 4206200

Seq. ID OJ991110_06.0330.C3
 Strand -
 End 18497
 Method AAT/NAP
 End 18497
 Score 119

Exons 14982..15023, 16156..16495, 18428..18497
 GI Descrip. (AF071527) hypothetical protein [Arabidopsis thaliana]

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82081	Strand	+
Start	2674	End	7036
Name	OJ991110_06.0330.C4.o2.gs	Method	GENSCAN
Start	2674	End	7036
GI	none	Score	.75
Exons	2674..2737, 2742..2794, 3766..4080, 4138..4636, 4724..4920, 4941..5077, 5266..5361, 5427..5691, 5775..5996, 6053..6208, 6461..6613, 6920..7036		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o5.np	Method	AAT/NAP
Start	1	End	19052
GI	7106516	Score	177
Exons	1..78, 11936..11986, 13682..13859, 18989..19052		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o1.gs	Method	GENSCAN
Start	7	End	1936
GI	none	Score	.66
Exons	7..90, 310..408, 709..1241, 1336..1936		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o3.tm	Method	TBLASTX:Maize
Start	805	End	19770
GI	none	Score	64
Exons	805..912, 809..904, 916..972, 917..976, 994..1050, 998..1042, 1046..1078, 1096..1209, 1097..1207, 19516..19641, 19520..19633, 19645..19770, 19646..19768		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o5.tm	Method	TBLASTX:Maize
Start	1511	End	1805
GI	none	Score	102
Exons	1511..1603, 1512..1601, 1517..1603, 1546..1608, 1667..1735, 1673..1729, 1708..1800, 1739..1798, 1740..1805		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o3.gs	Method	GENSCAN
Start	7939	End	12926
GI	none	Score	.5
Exons	7939..8473, 8499..8721, 8941..9021, 9111..9229, 9549..9835, 9908..10189, 10308..10733, 10747..10825, 10899..11080,		

11259..11480, 11706..11897, 12020..12263, 12520..12926

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o3.np	Method	AAT/NAP
Start	7942	End	10699
GI	7489805	Score	1276
Exons	7942..9795, 10659..10699		
GI Descrip.	polyprotein - maize retrotransposon Cinfu-1 gi 4206306 gb AAD11615.1 (AF049110) prpol [Zea mays]		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	8513	End	8881
GI	none	Score	70
Exons	8513..8881, 8519..8626, 8520..8789		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o2.tw	Method	TBLASTX:Wheat
Start	8651	End	9040
GI	none	Score	232
Exons	8651..9040		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o4.tm	Method	TBLASTX:Maize
Start	8882	End	9103
GI	none	Score	73
Exons	8882..9103, 8883..9050		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o3.tw	Method	TBLASTX:Wheat
Start	9503	End	9776
GI	none	Score	125
Exons	9503..9775, 9504..9776		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o2.tm	Method	TBLASTX:Maize
Start	9756	End	10031
GI	none	Score	208
Exons	9756..10031, 9770..10027		

Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o1.tw	Method	TBLASTX:Wheat
Start	9777	End	10105

GI	none	Score	169
Exons	9777..10046, 9779..10105		
Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o5.tw	Method	TBLASTX:Wheat
Start	10299	End	10658
GI	none	Score	93
Exons	10299..10475, 10300..10521, 10527..10658		
Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o4.tw	Method	TBLASTX:Wheat
Start	11451	End	11795
GI	none	Score	58
Exons	11451..11795, 11521..11697		
Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o1.gp	Method	AAT/GAP
Start	16903	End	17364
GI	LIB3432-059-P1-K1-D8	Score	733
Exons	16903..17364		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	39700	Seq. ID	OJ991110_06.0330.C4
Gene No.	82082	Strand	-
Start	1	End	19818
Name	OJ991110_06.0330.C4.o4.gs	Method	GENSCAN
Start	17503	End	19818
GI	none	Score	.48
Exons	17503..17697, 19426..19818		
Seq. No.	39701	Seq. ID	OJ991110_06.0330.C5
Gene No.	82083	Strand	+
Start	1607	End	1720
Name	OJ991110_06.0330.C5.o1.gs	Method	GENSCAN
Start	1607	End	1720
GI	none	Score	.58
Exons	1607..1720		
Seq. No.	39701	Seq. ID	OJ991110_06.0330.C5
Gene No.	82084	Strand	-
Start	1794	End	2021
Name	OJ991110_06.0330.C5.o1.np	Method	AAT/NAP
Start	1794	End	2021
GI	5042454	Score	66
Exons	1794..1859, 2001..2021		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82085	Strand	+
Start	809	End	2458

Name	OJ991110_06.0330.C6.o1.gs	Method	GENSCAN
Start	809	End	2458
GI	none	Score	.96
Exons	809..2458		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82086	Strand	+
Start	9085	End	10372
Name	OJ991110_06.0330.C6.o3.np	Method	AAT/NAP
Start	9085	End	10372
GI	7523512	Score	104
Exons	9085..9126, 10234..10372		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82087	Strand	+
Start	12771	End	17167
Name	OJ991110_06.0330.C6.o4.gs	Method	GENSCAN
Start	12771	End	17167
GI	none	Score	.65
Exons	12771..12909, 12935..13008, 14011..14066, 14302..14482, 15941..16206, 16462..16606, 16704..16832, 16871..16954, 17024..17167		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82088	Strand	-
Start	3101	End	9256
Name	OJ991110_06.0330.C6.o2.gs	Method	GENSCAN
Start	3101	End	6766
GI	none	Score	.95
Exons	3101..6766		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82088	Strand	-
Start	3101	End	9256
Name	OJ991110_06.0330.C6.o1.np	Method	AAT/NAP
Start	3104	End	9256
GI	7228457	Score	9330
Exons	3104..4654, 4721..5872, 5995..6829, 6893..8828, 8890..9256		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82088	Strand	-
Start	3101	End	9256
Name	OJ991110_06.0330.C6.o3.gs	Method	GENSCAN
Start	6830	End	9256
GI	none	Score	.82
Exons	6830..9256		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o6.tw	Method	TBLASTX:Wheat
Start	3113	End	3715
GI	none	Score	75

Exons 3113..3238, 3117..3239, 3377..3715, 3432..3710

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o4.tw	Method	TBLASTX:Wheat
Start	3716	End	4097
GI	none	Score	171
Exons	3716..4096, 3747..3995, 3755..4093, 4041..4097		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o3.tm	Method	TBLASTX:Maize
Start	3911	End	4234
GI	none	Score	196
Exons	3911..4234, 3924..4205		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o8.tw	Method	TBLASTX:Wheat
Start	4427	End	4739
GI	none	Score	67
Exons	4427..4687, 4563..4739		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o2.ts	Method	TBLASTX:Soybean
Start	4487	End	5053
GI	5666795	Score	68
Exons	4487..4687, 4742..4879, 4955..5053		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o7.tw	Method	TBLASTX:Wheat
Start	4742	End	5176
GI	none	Score	39
Exons	4742..4774, 4826..4891, 4827..4880, 4829..4882, 4925..5176, 4935..5111, 4952..5161		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	4776	End	6822
GI	none	Score	381
Exons	4776..4823, 6359..6820, 6360..6821, 6634..6822		

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o1.ts	Method	TBLASTX:Soybean
Start	5801	End	6172

GI none
Exons 5801..6172

Score 274

Seq. No. 39702
Gene No. 82089
Start 9487
Name OJ991110_06.0330.C6.o2.tw
Start 5826
GI none
Exons 5826..6251, 5831..6250

Seq. ID OJ991110_06.0330.C6
Strand -
End 16158
Method TBLASTX:Wheat
End 6251
Score 319

Seq. No. 39702
Gene No. 82089
Start 9487
Name OJ991110_06.0330.C6.o2.tm
Start 5924
GI none
Exons 5924..6307, 5943..6308

Seq. ID OJ991110_06.0330.C6
Strand -
End 16158
Method TBLASTX:Maize
End 6308
Score 231

Seq. No. 39702
Gene No. 82089
Start 9487
Name OJ991110_06.0330.C6.o1.tm
Start 6335
GI none
Exons 6335..6640, 6335..6691, 6345..6656

Seq. ID OJ991110_06.0330.C6
Strand -
End 16158
Method TBLASTX:Maize
End 6691
Score 130

Seq. No. 39702
Gene No. 82089
Start 9487
Name OJ991110_06.0330.C6.o3.tw
Start 7013
GI none
Exons 7013..7471, 7017..7277, 7335..7472

Seq. ID OJ991110_06.0330.C6
Strand -
End 16158
Method TBLASTX:Wheat
End 7472
Score 171

Seq. No. 39702
Gene No. 82089
Start 9487
Name OJ991110_06.0330.C6.o5.tw
Start 8210
GI none
Exons 8210..8467, 8244..8483, 8450..8548, 8451..8543, 8555..8602

Seq. ID OJ991110_06.0330.C6
Strand -
End 16158
Method TBLASTX:Wheat
End 8602
Score 92

Seq. No. 39702
Gene No. 82089
Start 9487
Name OJ991110_06.0330.C6.o4.tm
Start 8312
GI none
Exons 8312..8560, 8313..8597

Seq. ID OJ991110_06.0330.C6
Strand -
End 16158
Method TBLASTX:Maize
End 8597
Score 107

Seq. No. 39702
Gene No. 82089
Start 9487
Name OJ991110_06.0330.C6.o2.np
Start 9487
GI 5042454

Seq. ID OJ991110_06.0330.C6
Strand -
End 16158
Method AAT/NAP
End 16157
Score 260

Exons 9487..9540, 9773..9965, 10498..10567, 12614..12949, 16012..16157
 GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	39702	Seq. ID	OJ991110_06.0330.C6
Gene No.	82089	Strand	-
Start	9487	End	16158
Name	OJ991110_06.0330.C6.o4.np	Method	AAT/NAP
Start	12752	End	16158
GI	6681183	Score	72
Exons	12752..12959, 15085..15303, 16071..16158		
GI Descrip.	diaphanous homolog 1 (Drosophila) gi 6014968 sp O08808 DIAL MOUSE DIAPHANOUS PROTEIN HOMOLOG 1 (P140MDIA) gi 2114473 (U96963) p140mDia [Mus musculus]		

Seq. No.	39703	Seq. ID	OJ991110_06.0330.C7
Gene No.	82090	Strand	+
Start	73	End	150
Name	OJ991110_06.0330.C7.o1.gs	Method	GENSCAN
Start	73	End	150
GI	none	Score	.43
Exons	73..150		

Seq. No.	39703	Seq. ID	OJ991110_06.0330.C7
Gene No.	82091	Strand	+
Start	752	End	2041
Name	OJ991110_06.0330.C7.o1.np	Method	AAT/NAP
Start	752	End	2041
GI	6907089	Score	1959
Exons	752..2041		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39703	Seq. ID	OJ991110_06.0330.C7
Gene No.	82091	Strand	+
Start	752	End	2041
Name	OJ991110_06.0330.C7.o2.gs	Method	GENSCAN
Start	752	End	1972
GI	none	Score	.87
Exons	752..1972		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82092	Strand	+
Start	85	End	6075
Name	OJ991110_06.0330.C8.o1.gs	Method	GENSCAN
Start	85	End	6075
GI	none	Score	.64
Exons	85..945, 1638..1764, 3149..3271, 3701..3946, 3995..4128, 4486..4729, 4779..4901, 5166..5210, 5288..6075		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82093	Strand	+
Start	12948	End	15395
Name	OJ991110_06.0330.C8.o2.np	Method	AAT/NAP
Start	12948	End	15395
GI	5922623	Score	379
Exons	12948..13028, 13398..13545, 13713..13788, 15258..15395		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82094	Strand	-
Start	6719	End	12871
Name	OJ991110_06.0330.C8.o1.np	Method	AAT/NAP
Start	6719	End	12871
GI	7228457	Score	9194
Exons	6719..8269, 8336..9487, 9610..10444, 10508..12443, 12505..12871		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o8.tw	Method	TBLASTX:Wheat
Start	3247	End	3895
GI	none	Score	90
Exons	3247..3426, 3278..3430, 3451..3741, 3827..3895		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o3.ts	Method	TBLASTX:Soybean
Start	3265	End	3639
GI	none	Score	107
Exons	3265..3450, 3445..3639		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o5.tm	Method	TBLASTX:Maize
Start	6713	End	6859
GI	none	Score	115
Exons	6713..6859, 6738..6854		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o7.tw	Method	TBLASTX:Wheat
Start	6728	End	7330
GI	none	Score	75
Exons	6728..6853, 6741..6854, 7046..7330, 7047..7325		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o4.tw	Method	TBLASTX:Wheat
Start	7331	End	7712
GI	none	Score	154
Exons	7331..7711, 7362..7610, 7656..7712		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o2.tm	Method	TBLASTX:Maize

Start 7526
GI none
Exons 7526..7849, 7539..7820

End 7849
Score 192

Seq. No. 39704
Gene No. 82095
Start 16527
Name OJ991110_06.0330.C8.o9.tw
Start 8042
GI none
Exons 8042..8302, 8178..8354

Seq. ID OJ991110_06.0330.C8
Strand -
End 16830
Method TBLASTX:Wheat
End 8354
Score 67

Seq. No. 39704
Gene No. 82095
Start 16527
Name OJ991110_06.0330.C8.o2.ts
Start 8102
GI 5666795
Exons 8102..8302, 8357..8494, 8570..8668
GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. ID OJ991110_06.0330.C8
Strand -
End 16830
Method TBLASTX:Soybean
End 8668
Score 68

Seq. No. 39704
Gene No. 82095
Start 16527
Name OJ991110_06.0330.C8.o5.tw
Start 8357
GI none
Exons 8357..8506, 8358..8495, 8553..8726, 8567..8791, 8567..8791

Seq. ID OJ991110_06.0330.C8
Strand -
End 16830
Method TBLASTX:Wheat
End 8791
Score 87

Seq. No. 39704
Gene No. 82095
Start 16527
Name OJ991110_06.0330.C8.o1.ts
Start 9416
GI none
Exons 9416..9787, 9627..9770

Seq. ID OJ991110_06.0330.C8
Strand -
End 16830
Method TBLASTX:Soybean
End 9787
Score 90

Seq. No. 39704
Gene No. 82095
Start 16527
Name OJ991110_06.0330.C8.o2.tw
Start 9441
GI none
Exons 9441..9860, 9446..9865

Seq. ID OJ991110_06.0330.C8
Strand -
End 16830
Method TBLASTX:Wheat
End 9865
Score 331

Seq. No. 39704
Gene No. 82095
Start 16527
Name OJ991110_06.0330.C8.o3.tm
Start 9539
GI none
Exons 9539..9922, 9558..9923

Seq. ID OJ991110_06.0330.C8
Strand -
End 16830
Method TBLASTX:Maize
End 9923
Score 221

Seq. No. 39704
Gene No. 82095
Start 16527
Name OJ991110_06.0330.C8.o1.tm

Seq. ID OJ991110_06.0330.C8
Strand -
End 16830
Method TBLASTX:Maize

Start	9950	End	10306
GI	none	Score	109
Exons	9950..10255, 9950..10306, 9960..10280		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o1.tw	Method	TBLASTX:Wheat
Start	9974	End	10437
GI	none	Score	400
Exons	9974..10435, 9975..10436, 9994..10437		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o3.tw	Method	TBLASTX:Wheat
Start	10601	End	11087
GI	none	Score	172
Exons	10601..11086, 10605..10892, 10914..11087		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o6.tw	Method	TBLASTX:Wheat
Start	11825	End	12217
GI	none	Score	89
Exons	11825..12082, 11859..12098, 12065..12163, 12066..12146, 12170..12217		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o4.tm	Method	TBLASTX:Maize
Start	11927	End	12212
GI	none	Score	103
Exons	11927..12175, 11928..12212		

Seq. No.	39704	Seq. ID	OJ991110_06.0330.C8
Gene No.	82095	Strand	-
Start	16527	End	16830
Name	OJ991110_06.0330.C8.o3.np	Method	AAT/NAP
Start	16527	End	16830
GI	4505323	Score	105
Exons	16527..16830		
GI Descrip.	Wiskott-Aldrich syndrome-like gi 2116984 dbj BAA20128 (D88460) N-WASP [Homo sapiens]		

Seq. No.	39705	Seq. ID	OJ991110_06.0330.C10
Gene No.	82096	Strand	+
Start	1	End	437
Name	OJ991110_06.0330.C10.o2.np	Method	AAT/NAP
Start	1	End	437
GI	4680183	Score	124
Exons	1..26, 346..437		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	39705	Seq. ID	OJ991110_06.0330.C10
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Gene No.	82097	Strand	-
Start	224	End	315
Name	OJ991110_06.0330.C10.o1.np	Method	AAT/NAP
Start	224	End	315
GI	6721561	Score	98
Exons	224..315		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o1.np	Method	AAT/NAP
Start	1	End	1766
GI	2443320	Score	2420
Exons	1..1766		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o1.gs	Method	GENSCAN
Start	15	End	1655
GI	none	Score	.75
Exons	15..31, 153..421, 595..1655		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o2.tw	Method	TBLASTX:Wheat
Start	644	End	1100
GI	none	Score	74
Exons	644..889, 676..891, 680..958, 681..893, 891..1100, 903..1097		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o2.ts	Method	TBLASTX:Soybean
Start	954	End	1337
GI	none	Score	82
Exons	954..1088, 1113..1337, 1137..1259		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	1113	End	1764
GI	none	Score	704
Exons	1113..1637, 1129..1638, 1129..1599, 1139..1636, 1622..1660, 1669..1764		

Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766

Name	OJ991110_06.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	1119	End	1559
GI	none	Score	279
Exons	1119..1559		
Seq. No.	39706	Seq. ID	OJ991110_06.0330.C11
Gene No.	82098	Strand	+
Start	1	End	1766
Name	OJ991110_06.0330.C11.o1.ts	Method	TBLASTX:Soybean
Start	1347	End	1746
GI	none	Score	193
Exons	1347..1574, 1349..1573, 1575..1637, 1672..1746		
Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82099	Strand	+
Start	1	End	3558
Name	OJ991110_06.0330.C12.o1.np	Method	AAT/NAP
Start	1	End	1531
GI	2443320	Score	2230
Exons	1..1531		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		
Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82099	Strand	+
Start	1	End	3558
Name	OJ991110_06.0330.C12.o1.gs	Method	GENSCAN
Start	25	End	330
GI	none	Score	.88
Exons	25..330		
Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82099	Strand	+
Start	1	End	3558
Name	OJ991110_06.0330.C12.o2.gs	Method	GENSCAN
Start	845	End	3558
GI	none	Score	.46
Exons	845..1144, 1157..1399, 2688..2764, 2830..3374, 3401..3558		
Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82100	Strand	+
Start	12024	End	12586
Name	OJ991110_06.0330.C12.o2.np	Method	AAT/NAP
Start	12024	End	12586
GI	6907092	Score	470
Exons	12024..12291, 12326..12386, 12450..12586		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82101	Strand	-
Start	12045	End	12569
Name	OJ991110_06.0330.C12.o3.tw	Method	TBLASTX:Wheat
Start	1	End	170
GI	none	Score	196
Exons	1..165, 1..165, 18..170		
Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82101	Strand	-

Start	12045	End	12569
Name	OJ991110_06.0330.C12.o1.ts	Method	TBLASTX:Soybean
Start	43	End	483
GI	5509260	Score	363
Exons	43..483, 96..305, 333..470		
GI Descrip.	-		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82101	Strand	-
Start	12045	End	12569
Name	OJ991110_06.0330.C12.o1.tc	Method	TBLASTX:Cress
Start	132	End	396
GI	none	Score	220
Exons	132..269, 133..396		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82101	Strand	-
Start	12045	End	12569
Name	OJ991110_06.0330.C12.o1.tw	Method	TBLASTX:Wheat
Start	171	End	931
GI	none	Score	440
Exons	171..503, 172..504, 502..621, 503..664, 509..709, 630..791, 650..793, 660..791, 661..792, 767..931, 769..930		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82101	Strand	-
Start	12045	End	12569
Name	OJ991110_06.0330.C12.o1.tm	Method	TBLASTX:Maize
Start	177	End	604
GI	none	Score	277
Exons	177..311, 196..483, 333..470, 506..604		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82101	Strand	-
Start	12045	End	12569
Name	OJ991110_06.0330.C12.o2.tm	Method	TBLASTX:Maize
Start	893	End	1658
GI	none	Score	171
Exons	893..1267, 1286..1480, 1575..1658		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82101	Strand	-
Start	12045	End	12569
Name	OJ991110_06.0330.C12.o2.ts	Method	TBLASTX:Soybean
Start	902	End	1396
GI	none	Score	202
Exons	902..1264, 1096..1251, 1292..1396		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
Gene No.	82101	Strand	-
Start	12045	End	12569
Name	OJ991110_06.0330.C12.o2.tw	Method	TBLASTX:Wheat
Start	1004	End	1492
GI	none	Score	527
Exons	1004..1492, 1005..1337, 1009..1491		

Seq. No.	39707	Seq. ID	OJ991110_06.0330.C12
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Gene No. 82101
 Start 12045
 Name OJ991110_06.0330.C12.o4.gs
 Start 12045
 GI none
 Exons 12045..12242, 12253..12569

Strand -
 End 12569
 Method GENSCAN
 End 12569
 Score .41

Seq. No. 39708
 Gene No. 82102
 Start 2197
 Name OJ991110_06.0330.C14.o1.gs
 Start 2197
 GI none
 Exons 2197..2314

Seq. ID OJ991110_06.0330.C14
 Strand +
 End 2314
 Method GENSCAN
 End 2314
 Score .64

Seq. No. 39709
 Gene No. 82103
 Start 608
 Name OJ991110_06.0330.C15.o1.gs
 Start 608
 GI none
 Exons 608..718, 1097..1215

Seq. ID OJ991110_06.0330.C15
 Strand +
 End 1215
 Method GENSCAN
 End 1215
 Score .54

Seq. No. 39710
 Gene No. 82104
 Start 560
 Name OJ991110_06.0330.C17.o1.gs
 Start 560
 GI none
 Exons 560..603, 1478..1607

Seq. ID OJ991110_06.0330.C17
 Strand +
 End 1607
 Method GENSCAN
 End 1607
 Score .92

Seq. No. 39710
 Gene No. 82105
 Start 4457
 Name OJ991110_06.0330.C17.o2.gs
 Start 4457
 GI none
 Exons 4457..4651

Seq. ID OJ991110_06.0330.C17
 Strand +
 End 4651
 Method GENSCAN
 End 4651
 Score .98

Seq. No. 39710
 Gene No. 82106
 Start 8117
 Name OJ991110_06.0330.C17.o1.np
 Start 8117
 GI 7523502
 Exons 8117..8210, 8524..8654, 10121..10157
 GI Descrip. (AP001633) hypothetical protein [Oryza sativa]

Seq. ID OJ991110_06.0330.C17
 Strand +
 End 10157
 Method AAT/NAP
 End 10157
 Score 162

Seq. No. 39711
 Gene No. 82107
 Start 181
 Name OJ991110_06.0330.C23.o1.np
 Start 181
 GI 5091536
 Exons 181..271, 400..498
 GI Descrip. (AC007067) T10024.5 [Arabidopsis thaliana]

Seq. ID OJ991110_06.0330.C23
 Strand +
 End 508
 Method AAT/NAP
 End 498
 Score 59

Seq. No. 39711
 Gene No. 82107
 Start 181
 Name OJ991110_06.0330.C23.o1.gs
 Start 249
 GI none
 Exons 249..271, 400..508

Seq. ID OJ991110_06.0330.C23
 Strand +
 End 508
 Method GENSCAN
 End 508
 Score .96

Seq. No. 39712
 Gene No. 82108
 Start 216
 Name OJ991110_06.0330.C27.o1.gs
 Start 216
 GI none
 Exons 216..349

Seq. ID OJ991110_06.0330.C27
 Strand +
 End 349
 Method GENSCAN
 End 349
 Score .53

Seq. No. 39713
 Gene No. 82109
 Start 424
 Name OJ991110_06.0330.C31.o1.gs
 Start 424
 GI none
 Exons 424..504

Seq. ID OJ991110_06.0330.C31
 Strand +
 End 504
 Method GENSCAN
 End 504
 Score .73

Seq. No. 39714
 Gene No. 82110
 Start 104
 Name OJ991110_06.0330.C32.o1.gs
 Start 104
 GI none
 Exons 104..238

Seq. ID OJ991110_06.0330.C32
 Strand +
 End 238
 Method GENSCAN
 End 238
 Score .54

Seq. No. 39715
 Gene No. 82111
 Start 374
 Name OJ991110_06.0330.C33.o1.gp
 Start 374
 GI 5004205
 Exons 374..512

Seq. ID OJ991110_06.0330.C33
 Strand +
 End 512
 Method AAT/GAP
 End 512
 Score 247

Seq. No. 39715
 Gene No. 82112
 Start 438
 Name OJ991110_06.0330.C33.o1.gs
 Start 438
 GI none
 Exons 438..512, 565..645

Seq. ID OJ991110_06.0330.C33
 Strand +
 End 645
 Method GENSCAN
 End 645
 Score .68

Seq. No. 39716
 Gene No. 82113
 Start 293
 Name OJ991110_06.0330.C34.o1.gs
 Start 293
 GI none
 Exons 293..433

Seq. ID OJ991110_06.0330.C34
 Strand +
 End 433
 Method GENSCAN
 End 433
 Score .48

Seq. No. 39717

Seq. ID OJ990830_11.0303.C1

Gene No.	82114	Strand	
Start	728	End	910
Name	OJ990830_11.0303.C1.o1.tw	Method	TBLASTX:Wheat
Start	728	End	910
GI	none	Score	108
Exons	728..847, 729..863, 846..896, 854..910, 857..910		
Seq. No.	39718	Seq. ID	OJ990830_11.0303.C2
Gene No.	82115	Strand	
Start	13	End	318
Name	OJ990830_11.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	13	End	318
GI	none	Score	157
Exons	13..228, 20..220, 24..227, 211..318		
Seq. No.	39719	Seq. ID	OJ990830_11.0303.C4
Gene No.	82116	Strand	
Start	215	End	638
Name	OJ990830_11.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	215	End	455
GI	none	Score	66
Exons	215..277, 287..454, 294..455		
Seq. No.	39719	Seq. ID	OJ990830_11.0303.C4
Gene No.	82116	Strand	
Start	215	End	638
Name	OJ990830_11.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	273	End	638
GI	none	Score	142
Exons	273..452, 280..456, 285..446, 287..466, 456..497, 457..510, 460..630, 537..638		
Seq. No.	39720	Seq. ID	OJ990830_11.0303.C7
Gene No.	82117	Strand	
Start	335	End	667
Name	OJ990830_11.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	335	End	667
GI	none	Score	99
Exons	335..667, 389..580		
Seq. No.	39721	Seq. ID	OJ990830_11.0303.C8
Gene No.	82118	Strand	+
Start	2353	End	3501
Name	OJ990830_11.0303.C8.o1.gp	Method	AAT/GAP
Start	2353	End	3501
GI	426500	Score	323
Exons	2353..2451, 3413..3501		
Seq. No.	39722	Seq. ID	OJ990830_11.0303.C16
Gene No.	82119	Strand	
Start	1	End	447
Name	OJ990830_11.0303.C16.o1.tc	Method	TBLASTX:Cress
Start	1	End	420
GI	none	Score	52
Exons	1..48, 3..62, 117..197, 125..184, 280..414, 280..420, 281..415		
Seq. No.	39722	Seq. ID	OJ990830_11.0303.C16

Gene No.	82119	Strand	
Start	1	End	447
Name	OJ990830_11.0303.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	447
GI	none	Score	83
Exons	1..78, 3..80, 74..184, 84..197, 87..197, 242..409, 281..307, 293..424, 295..423, 310..447		

Seq. No.	39722	Seq. ID	OJ990830_11.0303.C16
Gene No.	82119	Strand	
Start	1	End	447
Name	OJ990830_11.0303.C16.o1.ts	Method	TBLASTX:Soybean
Start	3	End	420
GI	none	Score	43
Exons	3..56, 3..62, 56..184, 105..197, 278..409, 280..420, 281..415		

Seq. No.	39723	Seq. ID	OJ990830_11.0303.C17
Gene No.	82120	Strand	
Start	63	End	457
Name	OJ990830_11.0303.C17.o1.ts	Method	TBLASTX:Soybean
Start	63	End	430
GI	none	Score	320
Exons	63..425, 77..427, 77..430		

Seq. No.	39723	Seq. ID	OJ990830_11.0303.C17
Gene No.	82120	Strand	
Start	63	End	457
Name	OJ990830_11.0303.C17.o1.tc	Method	TBLASTX:Cress
Start	77	End	425
GI	none	Score	62
Exons	77..139, 78..140, 137..286, 141..278, 314..424, 318..425		

Seq. No.	39723	Seq. ID	OJ990830_11.0303.C17
Gene No.	82120	Strand	
Start	63	End	457
Name	OJ990830_11.0303.C17.o1.tw	Method	TBLASTX:Wheat
Start	96	End	430
GI	none	Score	414
Exons	96..428, 98..430, 101..430		

Seq. No.	39723	Seq. ID	OJ990830_11.0303.C17
Gene No.	82120	Strand	
Start	63	End	457
Name	OJ990830_11.0303.C17.o1.tm	Method	TBLASTX:Maize
Start	161	End	457
GI	none	Score	284
Exons	161..457, 162..428		

Seq. No.	39724	Seq. ID	OJ990830_11.0303.C18
Gene No.	82121	Strand	-
Start	1803	End	2043
Name	OJ990830_11.0303.C18.o1.gp	Method	AAT/GAP
Start	1803	End	2043
GI	3761970	Score	454
Exons	1803..2043		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21
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Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o1.gp	Method	AAT/GAP
Start	39	End	682
GI	305_2.R1084	Score	938
Exons	39..113, 204..682		
GI Descrip.	'4139264 1.0e-83 (AF111812) actin [Brassica napus]'		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21
Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o1.tw	Method	TBLASTX:Wheat
Start	41	End	530
GI	none	Score	72
Exons	41..67, 69..131, 76..117, 177..530, 201..509, 205..528		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21
Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o1.tc	Method	TBLASTX:Cress
Start	69	End	750
GI	none	Score	56
Exons	69..116, 69..131, 70..117, 177..749, 201..749, 205..750, 205..750		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21
Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o1.tm	Method	TBLASTX:Maize
Start	69	End	750
GI	none	Score	67
Exons	69..116, 69..131, 70..117, 177..749, 205..747, 208..750		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21
Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o1.ts	Method	TBLASTX:Soybean
Start	69	End	750
GI	none	Score	53
Exons	69..116, 69..131, 76..117, 177..749, 192..749, 205..750		

Seq. No.	39725	Seq. ID	OJ990830_11.0303.C21
Gene No.	82122	Strand	-
Start	39	End	750
Name	OJ990830_11.0303.C21.o2.tw	Method	TBLASTX:Wheat
Start	531	End	750
GI	none	Score	209
Exons	531..749, 532..750		

Seq. No.	39726	Seq. ID	OJ990830_11.0303.C23
Gene No.	82123	Strand	-
Start	54	End	284
Name	OJ990830_11.0303.C23.o1.tw	Method	TBLASTX:Wheat
Start	54	End	282
GI	none	Score	63
Exons	54..281, 55..171, 72..281, 220..282		

Seq. No.	39726	Seq. ID	OJ990830_11.0303.C23
Gene No.	82123	Strand	
Start	54	End	284
Name	OJ990830_11.0303.C23.o2.tm	Method	TBLASTX:Maize
Start	60	End	284
GI	none	Score	61
Exons	60..284, 82..177, 96..245		

Seq. No.	39726	Seq. ID	OJ990830_11.0303.C23
Gene No.	82124	Strand	
Start	294	End	723
Name	OJ990830_11.0303.C23.o1.tm	Method	TBLASTX:Maize
Start	294	End	723
GI	none	Score	42
Exons	294..437, 311..367, 325..402, 442..723, 443..691, 448..723		

Seq. No.	39726	Seq. ID	OJ990830_11.0303.C23
Gene No.	82124	Strand	
Start	294	End	723
Name	OJ990830_11.0303.C23.o1.ts	Method	TBLASTX:Soybean
Start	457	End	711
GI	none	Score	120
Exons	457..711, 506..685		

Seq. No.	39726	Seq. ID	OJ990830_11.0303.C23
Gene No.	82124	Strand	
Start	294	End	723
Name	OJ990830_11.0303.C23.o2.tw	Method	TBLASTX:Wheat
Start	463	End	723
GI	none	Score	44
Exons	463..723, 493..600, 584..703		

Seq. No.	39727	Seq. ID	OJ990830_11.0303.C28
Gene No.	82125	Strand	+
Start	4173	End	4454
Name	OJ990830_11.0303.C28.o1.tm	Method	TBLASTX:Maize
Start	3126	End	3485
GI	none	Score	66
Exons	3126..3179, 3180..3254, 3306..3446, 3314..3445, 3420..3485, 3435..3479		

Seq. No.	39727	Seq. ID	OJ990830_11.0303.C28
Gene No.	82125	Strand	+
Start	4173	End	4454
Name	OJ990830_11.0303.C28.o1.ts	Method	TBLASTX:Soybean
Start	3186	End	3761
GI	none	Score	83
Exons	3186..3254, 3306..3479, 3311..3382, 3330..3494, 3564..3590, 3674..3730, 3699..3761		

Seq. No.	39727	Seq. ID	OJ990830_11.0303.C28
Gene No.	82125	Strand	+
Start	4173	End	4454
Name	OJ990830_11.0303.C28.o1.tc	Method	TBLASTX:Cress
Start	3306	End	4212
GI	none	Score	183
Exons	3306..3479, 3564..3593, 3935..4066, 4153..4212		

Seq. No.	39727	Seq. ID	OJ990830_11.0303.C28
Gene No.	82125	Strand	+
Start	4173	End	4454
Name	OJ990830_11.0303.C28.o2.tm	Method	TBLASTX:Maize
Start	3548	End	3848
GI	none	Score	77
Exons	3548..3601, 3549..3596, 3674..3760, 3699..3761, 3715..3762, 3742..3819, 3765..3848, 3765..3836		

Seq. No.	39727	Seq. ID	OJ990830_11.0303.C28
Gene No.	82125	Strand	+
Start	4173	End	4454
Name	OJ990830_11.0303.C28.o1.gp	Method	AAT/GAP
Start	4173	End	4454
GI	none	Score	440
Exons	4173..4454		

Seq. No.	39728	Seq. ID	OJ990830_11.0303.C36
Gene No.	82126	Strand	+
Start	1	End	312
Name	OJ990830_11.0303.C36.o1.gp	Method	AAT/GAP
Start	1	End	312
GI	uC-osflM202014c01b1	Score	568
Exons	1..312		
GI Descrip.	'395930/emb X66522 OSTOS12A 8.0e-49 O.sativa retrotransposon Tos1-2 >gi_2176333_dbj_E08212_E08212 DNA sequence containing retrotransposon region'		

Seq. No.	39728	Seq. ID	OJ990830_11.0303.C36
Gene No.	82127	Strand	+
Start	321	End	447
Name	OJ990830_11.0303.C36.o2.gp	Method	AAT/GAP
Start	321	End	447
GI	1427_1.R1084	Score	173
Exons	321..447		
GI Descrip.	'4504379/ref NP_003658.1 pHG38 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled receptor HG38 [Homo sapiens]'		

Seq. No.	39729	Seq. ID	OJ990830_11.0303.C37
Gene No.	82128	Strand	
Start	1238	End	1444
Name	OJ990830_11.0303.C37.o1.ts	Method	TBLASTX:Soybean
Start	1238	End	1444
GI	none	Score	210
Exons	1238..1426, 1244..1444		

Seq. No.	39730	Seq. ID	OJ990830_11.0303.C38
Gene No.	82129	Strand	
Start	259	End	1046
Name	OJ990830_11.0303.C38.o1.tm	Method	TBLASTX:Maize
Start	259	End	1046
GI	none	Score	48
Exons	259..375, 284..388, 287..379, 343..378, 399..560, 399..458, 412..549, 413..541, 433..558, 434..532, 435..557, 436..519, 442..552, 452..571, 656..712, 662..712, 665..742, 677..769,		

677..769, 731..910, 732..815, 760..915, 761..910, 770..925,
772..918, 827..883, 936..1046

Seq. No.	39731	Seq. ID	OJ990830_11.0303.C45
Gene No.	82130	Strand	
Start	437	End	965
Name	OJ990830_11.0303.C45.o1.tm	Method	TBLASTX:Maize
Start	437	End	821
GI	none	Score	332
Exons	437..517, 441..821, 465..710, 605..820		

Seq. No.	39731	Seq. ID	OJ990830_11.0303.C45
Gene No.	82130	Strand	
Start	437	End	965
Name	OJ990830_11.0303.C45.o1.tw	Method	TBLASTX:Wheat
Start	495	End	919
GI	none	Score	471
Exons	495..917, 498..779, 605..919		

Seq. No.	39731	Seq. ID	OJ990830_11.0303.C45
Gene No.	82130	Strand	
Start	437	End	965
Name	OJ990830_11.0303.C45.o1.ts	Method	TBLASTX:Soybean
Start	549	End	965
GI	none	Score	317
Exons	549..965, 608..733		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82131	Strand	
Start	605	End	2909
Name	OJ990930_10.0310.C10.o4.ts	Method	TBLASTX:Soybean
Start	605	End	2819
GI	none	Score	73
Exons	605..712, 716..1051, 2555..2602, 2612..2653, 2664..2807, 2757..2819		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82131	Strand	
Start	605	End	2909
Name	OJ990930_10.0310.C10.o3.tw	Method	TBLASTX:Wheat
Start	608	End	1003
GI	none	Score	247
Exons	608..703, 610..708, 611..1003		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82131	Strand	
Start	605	End	2909
Name	OJ990930_10.0310.C10.o6.tm	Method	TBLASTX:M
Start	2560	End	2903
GI	none	Score	90
Exons	2560..2634, 2561..2632, 2646..2885, 2658..2903, 2663..2902		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82131	Strand	
Start	605	End	2909
Name	OJ990930_10.0310.C10.o5.tw	Method	TBLASTX:Wheat
Start	2679	End	2909

GI	none	Score	206
Exons	2679..2909, 2679..2720, 2768..2893		
Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o5.tm	Method	TBLASTX:Maize
Start	2908	End	3295
GI	none	Score	114
Exons	2908..3015, 2921..3028, 3019..3294, 3023..3295		
Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	3059	End	3631
GI	none	Score	266
Exons	3059..3307, 3067..3291, 3231..3359, 3318..3362, 3343..3423, 3347..3631, 3359..3628, 3505..3630		
Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o2.tm	Method	TBLASTX:Maize
Start	3296	End	4048
GI	none	Score	111
Exons	3296..3367, 3301..3369, 3365..3538, 3368..3979, 3493..3951, 3599..3973, 4019..4048		
Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o3.ts	Method	TBLASTX:Soybean
Start	3476	End	3922
GI	none	Score	310
Exons	3476..3922, 3496..3786, 3500..3787, 3811..3921		
Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o1.tc	Method	TBLASTX:Cress
Start	3512	End	3928
GI	none	Score	212
Exons	3512..3928		
Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82132	Strand	
Start	2908	End	4048
Name	OJ990930_10.0310.C10.o4.tw	Method	TBLASTX:Wheat
Start	3719	End	3958
GI	none	Score	133
Exons	3719..3808, 3721..3795, 3797..3958, 3808..3951		
Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82133	Strand	
Start	4133	End	5010
Name	OJ990930_10.0310.C10.o4.tm	Method	TBLASTX:Maize

Start	4133	End	4456
GI	none	Score	103
Exons	4133..4258, 4139..4456, 4140..4454		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82133	Strand	
Start	4133	End	5010
Name	OJ990930_10.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	4163	End	4770
GI	5509260	Score	243
Exons	4163..4378, 4164..4379, 4388..4456, 4389..4463, 4452..4763, 4453..4770, 4573..4770		

GI Descrip. -

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82133	Strand	
Start	4133	End	5010
Name	OJ990930_10.0310.C10.o2.tw	Method	TBLASTX:Wheat
Start	4289	End	4764
GI	none	Score	86
Exons	4289..4378, 4305..4379, 4373..4408, 4383..4745, 4462..4758, 4483..4764		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82133	Strand	
Start	4133	End	5010
Name	OJ990930_10.0310.C10.o3.tm	Method	TBLASTX:Maize
Start	4574	End	5010
GI	none	Score	621
Exons	4574..4981, 4575..5006, 4576..5010		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82134	Strand	
Start	5125	End	5828
Name	OJ990930_10.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	5125	End	5828
GI	none	Score	958
Exons	5125..5820, 5133..5828, 5133..5813, 5473..5817, 5717..5818		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82134	Strand	
Start	5125	End	5828
Name	OJ990930_10.0310.C10.o2.ts	Method	TBLASTX:Soybean
Start	5143	End	5784
GI	none	Score	271
Exons	5143..5532, 5367..5531, 5544..5636, 5551..5784		

Seq. No.	39732	Seq. ID	OJ990930_10.0310.C10
Gene No.	82134	Strand	
Start	5125	End	5828
Name	OJ990930_10.0310.C10.o6.tw	Method	TBLASTX:Wheat
Start	5281	End	5748
GI	none	Score	100
Exons	5281..5541, 5560..5748		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82135	Strand	

Start	2868	End	3206
Name	OJ990930_10.0310.C12.o6.ts	Method	TBLASTX:Soybean
Start	2868	End	3206
GI	none	Score	196
Exons	2868..3206		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o5.ts	Method	TBLASTX:Soybean
Start	3616	End	3981
GI	none	Score	138
Exons	3616..3840, 3627..3839, 3847..3981		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o1.tw	Method	TBLASTX:Wheat
Start	3778	End	4182
GI	none	Score	69
Exons	3778..3834, 3792..3824, 3829..4182, 3837..4139, 3841..4182		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o2.tm	Method	TBLASTX:Maize
Start	3832	End	4050
GI	none	Score	293
Exons	3832..4050, 3832..4032, 3837..4049		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	4051	End	4513
GI	none	Score	406
Exons	4051..4374, 4051..4383, 4381..4512, 4382..4513		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o5.tw	Method	TBLASTX:Wheat
Start	4183	End	4582
GI	none	Score	142
Exons	4183..4377, 4200..4310, 4499..4582		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82136	Strand	
Start	3616	End	4669
Name	OJ990930_10.0310.C12.o2.ts	Method	TBLASTX:Soybean
Start	4198	End	4669
GI	none	Score	162
Exons	4198..4398, 4236..4310, 4376..4480, 4481..4669, 4525..4656		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82137	Strand	
Start	4819	End	5263

Name	OJ990930_10.0310.C12.o1.ts	Method	TBLASTX:Soybean
Start	4819	End	5232
GI	none	Score	132
Exons	4819..4971, 4820..4957, 4978..5061, 4979..5230, 5119..5232		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82137	Strand	
Start	4819	End	5263
Name	OJ990930_10.0310.C12.o3.tw	Method	TBLASTX:Wheat
Start	4865	End	5263
GI	none	Score	63
Exons	4865..4948, 4994..5263		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82138	Strand	
Start	5663	End	6082
Name	OJ990930_10.0310.C12.o4.tw	Method	TBLASTX:Wheat
Start	5663	End	5956
GI	none	Score	141
Exons	5663..5827, 5852..5956		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82138	Strand	
Start	5663	End	6082
Name	OJ990930_10.0310.C12.o3.tm	Method	TBLASTX:Maize
Start	5681	End	6061
GI	none	Score	88
Exons	5681..5839, 5837..6061		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82138	Strand	
Start	5663	End	6082
Name	OJ990930_10.0310.C12.o4.ts	Method	TBLASTX:Soybean
Start	5684	End	6082
GI	none	Score	233
Exons	5684..6082		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82139	Strand	
Start	6242	End	6675
Name	OJ990930_10.0310.C12.o2.tw	Method	TBLASTX:Wheat
Start	6242	End	6649
GI	none	Score	228
Exons	6242..6649, 6472..6615		

Seq. No.	39733	Seq. ID	OJ990930_10.0310.C12
Gene No.	82139	Strand	
Start	6242	End	6675
Name	OJ990930_10.0310.C12.o3.ts	Method	TBLASTX:Soybean
Start	6425	End	6675
GI	none	Score	234
Exons	6425..6670, 6463..6597, 6634..6675		

Seq. No.	39734	Seq. ID	OJ990930_10.0310.C20
Gene No.	82140	Strand	-
Start	2527	End	4078
Name	OJ990930_10.0310.C20.o1.gp	Method	AAT/GAP

Start	2527	End	3867
GI	none	Score	896
Exons	2527..2936, 3021..3088, 3848..3867		

Seq. No.	39734	Seq. ID	OJ990930_10.0310.C20
Gene No.	82140	Strand	-
Start	2527	End	4078
Name	OJ990930_10.0310.C20.ol.tm	Method	TBLASTX:Maize
Start	2775	End	3997
GI	none	Score	253
Exons	2775..2939, 2776..2940, 2776..2934, 2780..2938, 3020..3088, 3021..3086, 3037..3117, 3962..3997		

Seq. No.	39734	Seq. ID	OJ990930_10.0310.C20
Gene No.	82140	Strand	-
Start	2527	End	4078
Name	OJ990930_10.0310.C20.ol.tc	Method	TBLASTX:Cress
Start	2786	End	4078
GI	none	Score	157
Exons	2786..2938, 2787..2954, 3018..3089, 3020..3091, 3968..4009, 4004..4078, 4010..4075		

Seq. No.	39735	Seq. ID	OJ990930_10.0310.C21
Gene No.	82141	Strand	-
Start	331	End	1241
Name	OJ990930_10.0310.C21.ol.gp	Method	AAT/GAP
Start	331	End	1241
GI	none	Score	317
Exons	331..466, 1147..1241		

Seq. No.	39736	Seq. ID	OJ990930_10.0310.C22
Gene No.	82142	Strand	+
Start	1655	End	2011
Name	OJ990930_10.0310.C22.ol.gp	Method	AAT/GAP
Start	1655	End	2011
GI	none	Score	706
Exons	1655..2011		

Seq. No.	39736	Seq. ID	OJ990930_10.0310.C22
Gene No.	82143	Strand	
Start	1930	End	3054
Name	OJ990930_10.0310.C22.ol.tm	Method	TBLASTX:Maize
Start	1930	End	3054
GI	none	Score	63
Exons	1930..2451, 1985..2080, 2220..2270, 2336..2440, 2349..2459, 2452..2697, 2454..2726, 2466..2705, 2826..2924, 2835..3044, 2839..3054		

Seq. No.	39736	Seq. ID	OJ990930_10.0310.C22
Gene No.	82143	Strand	
Start	1930	End	3054
Name	OJ990930_10.0310.C22.ol.ts	Method	TBLASTX:Soybean
Start	2452	End	2666
GI	none	Score	129
Exons	2452..2661, 2454..2666		

Seq. No.	39736	Seq. ID	OJ990930_10.0310.C22
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Gene No.	82143	Strand	
Start	1930	End	3054
Name	OJ990930_10.0310.C22.o3.ts	Method	TBLASTX:Soybean
Start	2820	End	3018
GI	none	Score	83
Exons	2820..2948, 2821..3018, 2826..3017		
Seq. No.	39736	Seq. ID	OJ990930_10.0310.C22
Gene No.	82144	Strand	
Start	3469	End	4479
Name	OJ990930_10.0310.C22.o2.ts	Method	TBLASTX:Soybean
Start	3469	End	4479
GI	none	Score	56
Exons	3469..3573, 3476..3652, 3585..3653, 4408..4479		
Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82145	Strand	+
Start	9527	End	10025
Name	OJ990930_10.0310.C23.o1.gp	Method	AAT/GAP
Start	9527	End	10025
GI	LIB3431-015-P1-K1-C7	Score	616
Exons	9527..9668, 9741..9865, 9949..10025		
GI Descrip.	'1532135.6.0e-32 (U49442) chloroplast mRNA-binding protein CSP41 precursor [Spinacia oleracea]'		
Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82146	Strand	+
Start	10703	End	10988
Name	OJ990930_10.0310.C23.o2.gp	Method	AAT/GAP
Start	10703	End	10988
GI	702014	Score	485
Exons	10703..10988		
GI Descrip.	4512018/gb AAD21574.1 4.0e-43 (AF106660) mRNA binding protein precursor [Lycopersicon esculentum]		
Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o3.tc	Method	TBLASTX:Cress
Start	221	End	442
GI	none	Score	195
Exons	221..442, 251..406		
Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o2.tw	Method	TBLASTX:Wheat
Start	3366	End	4170
GI	none	Score	152
Exons	3366..3608, 3367..3594, 3640..3726, 4090..4170		
Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o4.ts	Method	TBLASTX:Soybean
Start	3367	End	3717
GI	5509260	Score	149

Exons 3367..3603, 3640..3717
GI Descrip. -

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o3.ts	Method	TBLASTX:Soybean
Start	3865	End	4272
GI	none	Score	126
Exons	3865..4020, 4141..4272		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o1.tm	Method	TBLASTX:Maize
Start	4129	End	4482
GI	none	Score	44
Exons	4129..4167, 4159..4482, 4170..4481		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o4.tm	Method	TBLASTX:Maize
Start	4608	End	4801
GI	none	Score	228
Exons	4608..4799, 4612..4800, 4615..4800, 4685..4801		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o1.tc	Method	TBLASTX:Cress
Start	9506	End	9685
GI	none	Score	241
Exons	9506..9685, 9507..9668		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o2.ts	Method	TBLASTX:Soybean
Start	9506	End	9691
GI	none	Score	241
Exons	9506..9691, 9507..9668		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o5.tm	Method	TBLASTX:Maize
Start	9507	End	9650
GI	none	Score	226
Exons	9507..9650, 9519..9647		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o3.tm	Method	TBLASTX:Maize
Start	9831	End	10242
GI	none	Score	67

Exons 9831..9875, 9941..10051, 9946..10053, 9947..10051, 10158..10211, 10159..10212, 10219..10242, 10225..10242

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o1.ts	Method	TBLASTX:Soybean
Start	10021	End	11676
GI	none	Score	56
Exons	10021..10053, 10022..10051, 10158..10316, 10159..10317, 10703..10984, 10704..10982, 11518..11676, 11520..11675		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o2.tc	Method	TBLASTX:Cress
Start	10920	End	11676
GI	none	Score	103
Exons	10920..10988, 11517..11675, 11518..11676, 11560..11676		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o3.gp	Method	AAT/GAP
Start	12628	End	16246
GI	29810_1.R1084	Score	1496
Exons	12628..13005, 14011..14094, 14542..14659, 15987..16246		
GI Descrip.	'4512018/gb AAD21574.1 4.0e-43 (AF106660) mRNA binding protein precursor [Lycopersicon esculentum]'		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o2.tm	Method	TBLASTX:Maize
Start	12755	End	16057
GI	none	Score	160
Exons	12755..13021, 12760..12999, 12900..13031, 14011..14094, 14535..14657, 14541..14657, 14542..14667, 14546..14659, 15986..16057, 15989..16057		

Seq. No.	39737	Seq. ID	OJ990930_10.0310.C23
Gene No.	82147	Strand	-
Start	12628	End	16246
Name	OJ990930_10.0310.C23.o1.tw	Method	TBLASTX:Wheat
Start	12772	End	14658
GI	none	Score	44
Exons	12772..12825, 12772..13005, 12776..12958, 12900..13031, 14011..14094, 14542..14643, 14543..14602, 14638..14658		

Seq. No.	39738	Seq. ID	OJ990930_10.0310.C26
Gene No.	82148	Strand	-
Start	1	End	363
Name	OJ990930_10.0310.C26.o1.gp	Method	AAT/GAP
Start	1	End	282
GI	2799714	Score	327
Exons	1..33, 123..282		

Seq. No.	39738	Seq. ID	OJ990930_10.0310.C26
Gene No.	82148	Strand	-
Start	1	End	363
Name	OJ990930_10.0310.C26.o2.tm	Method	TBLASTX:Maize
Start	122	End	363
GI	none	Score	118
Exons	122..361, 130..363		

Seq. No.	39738	Seq. ID	OJ990930_10.0310.C26
Gene No.	82149	Strand	
Start	2848	End	3143
Name	OJ990930_10.0310.C26.o1.tm	Method	TBLASTX:Maize
Start	2848	End	3143
GI	none	Score	126
Exons	2848..2982, 2849..2980, 2859..2990, 2888..2989, 3063..3143, 3069..3137		

Seq. No.	39739	Seq. ID	OJ990930_10.0310.C27
Gene No.	82150	Strand	-
Start	186	End	1386
Name	OJ990930_10.0310.C27.o2.tm	Method	TBLASTX:Maize
Start	1	End	224
GI	none	Score	161
Exons	1..201, 2..205, 8..208, 9..224, 13..207		

Seq. No.	39739	Seq. ID	OJ990930_10.0310.C27
Gene No.	82150	Strand	-
Start	186	End	1386
Name	OJ990930_10.0310.C27.o1.gp	Method	AAT/GAP
Start	186	End	1386
GI	3548947	Score	1222
Exons	186..226, 332..596, 916..1386		

Seq. No.	39739	Seq. ID	OJ990930_10.0310.C27
Gene No.	82151	Strand	
Start	4730	End	5109
Name	OJ990930_10.0310.C27.o1.tm	Method	TBLASTX:Maize
Start	4730	End	5109
GI	none	Score	188
Exons	4730..5014, 4739..5017, 5074..5109		

Seq. No.	39740	Seq. ID	OJ990930_10.0310.C28
Gene No.	82152	Strand	
Start	96	End	756
Name	OJ990930_10.0310.C28.o1.tw	Method	TBLASTX:Wheat
Start	96	End	660
GI	none	Score	66
Exons	96..215, 98..229, 307..660		

Seq. No.	39740	Seq. ID	OJ990930_10.0310.C28
Gene No.	82152	Strand	
Start	96	End	756
Name	OJ990930_10.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	310	End	756
GI	none	Score	65
Exons	310..456, 310..756, 311..754		

Seq. No.	39740	Seq. ID	OJ990930_10.0310.C28
Gene No.	82152	Strand	
Start	96	End	756
Name	OJ990930_10.0310.C28.o1.ts	Method	TBLASTX:Soybean
Start	322	End	723
GI	none	Score	74
Exons	322..561, 323..442, 566..676, 571..723		

Seq. No.	39740	Seq. ID	OJ990930_10.0310.C28
Gene No.	82153	Strand	
Start	1046	End	1285
Name	OJ990930_10.0310.C28.o2.ts	Method	TBLASTX:Soybean
Start	1046	End	1285
GI	none	Score	87
Exons	1046..1285, 1068..1283		

Seq. No.	39741	Seq. ID	OJ990930_10.0310.C29
Gene No.	82154	Strand	
Start	5	End	268
Name	OJ990930_10.0310.C29.o1.ts	Method	TBLASTX:Soybean
Start	5	End	268
GI	none	Score	208
Exons	5..268		

Seq. No.	39742	Seq. ID	OJ990930_10.0310.C30
Gene No.	82155	Strand	
Start	1621	End	2229
Name	OJ990930_10.0310.C30.o1.tw	Method	TBLASTX:Wheat
Start	1621	End	2229
GI	none	Score	70
Exons	1621..1752, 1622..1747, 1777..2229, 1973..2050, 2129..2215		

Seq. No.	39742	Seq. ID	OJ990930_10.0310.C30
Gene No.	82155	Strand	
Start	1621	End	2229
Name	OJ990930_10.0310.C30.o1.tm	Method	TBLASTX:Maize
Start	1657	End	1923
GI	none	Score	48
Exons	1657..1740, 1691..1747, 1741..1857, 1741..1923		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82156	Strand	
Start	125	End	379
Name	OJ990930_10.0310.C31.o6.tw	Method	TBLASTX:Wheat
Start	125	End	379
GI	none	Score	67
Exons	125..379, 252..377		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82157	Strand	
Start	422	End	830
Name	OJ990930_10.0310.C31.o5.tw	Method	TBLASTX:Wheat
Start	422	End	830
GI	none	Score	53
Exons	422..493, 422..595, 603..830, 605..829		

Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
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Gene No.	82158	Strand	
Start	920	End	1456
Name	OJ990930_10.0310.C31.o1.ts	Method	TBLASTX:Soybean
Start	920	End	1345
GI	none	Score	86
Exons	920..1345, 1161..1286		
Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82158	Strand	
Start	920	End	1456
Name	OJ990930_10.0310.C31.o2.tw	Method	TBLASTX:Wheat
Start	975	End	1399
GI	none	Score	244
Exons	975..1289, 977..1399, 995..1348		
Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82158	Strand	
Start	920	End	1456
Name	OJ990930_10.0310.C31.o2.tm	Method	TBLASTX:Maize
Start	1073	End	1456
GI	none	Score	113
Exons	1073..1456, 1074..1289, 1359..1421		
Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82159	Strand	
Start	1484	End	1961
Name	OJ990930_10.0310.C31.o1.tm	Method	TBLASTX:Maize
Start	1484	End	1840
GI	none	Score	202
Exons	1484..1840, 1485..1778		
Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82159	Strand	
Start	1484	End	1961
Name	OJ990930_10.0310.C31.o1.tw	Method	TBLASTX:Wheat
Start	1514	End	1961
GI	none	Score	311
Exons	1514..1960, 1515..1961		
Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82160	Strand	
Start	2176	End	2616
Name	OJ990930_10.0310.C31.o3.tw	Method	TBLASTX:Wheat
Start	2176	End	2616
GI	none	Score	142
Exons	2176..2397, 2183..2395, 2434..2616, 2507..2608		
Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82161	Strand	
Start	3252	End	3650
Name	OJ990930_10.0310.C31.o4.tw	Method	TBLASTX:Wheat
Start	3252	End	3650
GI	none	Score	90
Exons	3252..3512, 3253..3480, 3486..3599, 3538..3588, 3600..3650		
Seq. No.	39743	Seq. ID	OJ990930_10.0310.C31
Gene No.	82161	Strand	

Start 3252
 Name OJ990930_10.0310.C31.o3.tm
 Start 3366
 GI none
 Exons 3366..3605

End 3650
 Method TBLASTX:Maize
 End 3605
 Score 187

Seq. No. 39744
 Gene No. 82162
 Start 420
 Name OJ990930_10.0310.C32.o1.tw
 Start 420
 GI none
 Exons 420..473, 421..822, 546..728

Seq. ID OJ990930_10.0310.C32
 Strand
 End 822
 Method TBLASTX:Wheat
 End 822
 Score 240

Seq. No. 39745
 Gene No. 82163
 Start 1748
 Name OJ990930_10.0310.C33.o2.tw
 Start 1748
 GI none
 Exons 1748..2149, 1891..2133

Seq. ID OJ990930_10.0310.C33
 Strand
 End 2149
 Method TBLASTX:Wheat
 End 2149
 Score 323

Seq. No. 39745
 Gene No. 82164
 Start 2357
 Name OJ990930_10.0310.C33.o1.tw
 Start 2357
 GI none
 Exons 2357..2716, 2371..2715, 2372..2716, 2590..2718

Seq. ID OJ990930_10.0310.C33
 Strand
 End 2927
 Method TBLASTX:Wheat
 End 2718
 Score 364

Seq. No. 39745
 Gene No. 82164
 Start 2357
 Name OJ990930_10.0310.C33.o1.tm
 Start 2563
 GI none
 Exons 2563..2709, 2564..2716, 2719..2829

Seq. ID OJ990930_10.0310.C33
 Strand
 End 2927
 Method TBLASTX:Maize
 End 2829
 Score 160

Seq. No. 39745
 Gene No. 82164
 Start 2357
 Name OJ990930_10.0310.C33.o3.tw
 Start 2719
 GI none
 Exons 2719..2925, 2722..2925, 2724..2927

Seq. ID OJ990930_10.0310.C33
 Strand
 End 2927
 Method TBLASTX:Wheat
 End 2927
 Score 253

Seq. No. 39746
 Gene No. 82165
 Start 2
 Name OJ990930_10.0310.C34.o5.tw
 Start 2
 GI none
 Exons 2..166, 16..165

Seq. ID OJ990930_10.0310.C34
 Strand
 End 595
 Method TBLASTX:Wheat
 End 166
 Score 197

Seq. No. 39746
 Gene No. 82165
 Start 2

Seq. ID OJ990930_10.0310.C34
 Strand
 End 595

Name	OJ990930_10.0310.C34.o1.ts	Method	TBLASTX:Soybean
Start	5	End	397
GI	none	Score	282
Exons	5..397, 10..138, 193..324		
Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82165	Strand	
Start	2	End	595
Name	OJ990930_10.0310.C34.o2.tm	Method	TBLASTX:Maize
Start	64	End	484
GI	none	Score	263
Exons	64..318, 65..319, 311..484, 340..423		
Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82165	Strand	
Start	2	End	595
Name	OJ990930_10.0310.C34.o3.tw	Method	TBLASTX:Wheat
Start	166	End	595
GI	none	Score	375
Exons	166..423, 167..595		
Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82166	Strand	
Start	629	End	1138
Name	OJ990930_10.0310.C34.o2.ts	Method	TBLASTX:Soybean
Start	629	End	1009
GI	none	Score	86
Exons	629..727, 631..717, 766..849, 767..1009		
Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82166	Strand	
Start	629	End	1138
Name	OJ990930_10.0310.C34.o4.tw	Method	TBLASTX:Wheat
Start	632	End	1054
GI	none	Score	131
Exons	632..742, 637..924, 773..1054		
Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82166	Strand	
Start	629	End	1138
Name	OJ990930_10.0310.C34.o5.tm	Method	TBLASTX:Maize
Start	884	End	1138
GI	none	Score	179
Exons	884..1138		
Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82167	Strand	
Start	1363	End	1759
Name	OJ990930_10.0310.C34.o1.tm	Method	TBLASTX:Maize
Start	1363	End	1735
GI	none	Score	404
Exons	1363..1692, 1367..1693, 1682..1735		
Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82167	Strand	
Start	1363	End	1759
Name	OJ990930_10.0310.C34.o2.tw	Method	TBLASTX:Wheat

Start	1372	End	1759
GI	none	Score	383
Exons	1372..1683, 1373..1759, 1574..1747, 1714..1758		
Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82168	Strand	
Start	1831	End	2488
Name	OJ990930_10.0310.C34.o4.tm	Method	TBLASTX:Maize
Start	1831	End	2104
GI	none	Score	89
Exons	1831..1929, 1832..1930, 1921..1995, 1925..2008, 2018..2104		
Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82168	Strand	
Start	1831	End	2488
Name	OJ990930_10.0310.C34.o1.tw	Method	TBLASTX:Wheat
Start	1874	End	2488
GI	none	Score	347
Exons	1874..2332, 1909..1983, 2029..2136, 2351..2488, 2362..2484		
Seq. No.	39746	Seq. ID	OJ990930_10.0310.C34
Gene No.	82168	Strand	
Start	1831	End	2488
Name	OJ990930_10.0310.C34.o3.tm	Method	TBLASTX:Maize
Start	2186	End	2449
GI	none	Score	139
Exons	2186..2368, 2347..2445, 2351..2449		
Seq. No.	39747	Seq. ID	OJ990930_10.0310.C35
Gene No.	82169	Strand	
Start	928	End	1218
Name	OJ990930_10.0310.C35.o1.tw	Method	TBLASTX:Wheat
Start	928	End	1218
GI	none	Score	188
Exons	928..1218		
Seq. No.	39748	Seq. ID	OJ990930_12.0310.C1
Gene No.	82170	Strand	-
Start	152	End	463
Name	OJ990930_12.0310.C1.o1.gs	Method	GENSCAN
Start	152	End	463
GI	none	Score	.44
Exons	152..463		
Seq. No.	39749	Seq. ID	OJ990930_12.0310.C2
Gene No.	82171	Strand	-
Start	1	End	1108
Name	OJ990930_12.0310.C2.o1.gp	Method	AAT/GAP
Start	1	End	494
GI	LIB3431-001-P1-N1-B5	Score	708
Exons	1..206, 312..494		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	39749	Seq. ID	OJ990930_12.0310.C2
Gene No.	82171	Strand	-
Start	1	End	1108

Name	OJ990930_12.0310.C2.o1.gs	Method	GENSCAN
Start	270	End	1108
GI	none	Score	.78
Exons	270..483, 650..820, 903..1108		

Seq. No.	39750	Seq. ID	OJ990930_12.0310.C3
Gene No.	82172	Strand	-
Start	1	End	745
Name	OJ990930_12.0310.C3.o1.np	Method	AAT/NAP
Start	1	End	745
GI	7106512	Score	1025
Exons	1..745		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39750	Seq. ID	OJ990930_12.0310.C3
Gene No.	82172	Strand	-
Start	1	End	745
Name	OJ990930_12.0310.C3.o1.gs	Method	GENSCAN
Start	75	End	671
GI	none	Score	.61
Exons	75..671		

Seq. No.	39751	Seq. ID	OJ990930_12.0310.C5
Gene No.	82173	Strand	-
Start	274	End	399
Name	OJ990930_12.0310.C5.o1.gs	Method	GENSCAN
Start	274	End	399
GI	none	Score	.5
Exons	274..399		

Seq. No.	39752	Seq. ID	OJ990930_12.0310.C12
Gene No.	82174	Strand	-
Start	371	End	445
Name	OJ990930_12.0310.C12.o1.gs	Method	GENSCAN
Start	371	End	445
GI	none	Score	.84
Exons	371..445		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82175	Strand	+
Start	222	End	478
Name	OJ990930_12.0310.C15.o1.gs	Method	GENSCAN
Start	222	End	478
GI	none	Score	.8
Exons	222..396, 465..478		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82176	Strand	+
Start	2475	End	8701
Name	OJ990930_12.0310.C15.o1.gp	Method	AAT/GAP
Start	2475	End	3222
GI	306_1.R1084	Score	1436
Exons	2475..3222		
GI Descrip.	'2118429/pir S59925 7.0e-59 allergen RA5B precursor - rice >gi_1398918_dbj_BAA07713_ (D42142) allergenic protein [Oryza sativa]'		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82176	Strand	+
Start	2475	End	8701
Name	OJ990930_12.0310.C15.o1.hp	Method	AAT/NAP
Start	2596	End	3075
GI	2118429	Score	861
Exons	2596..3075		
GI Descrip.	allergen RA5B precursor - rice gi 1398918 dbj BAA07713 (D42142) allergenic protein [Oryza sativa]		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82176	Strand	+
Start	2475	End	8701
Name	OJ990930_12.0310.C15.o2.gs	Method	GENSCAN
Start	2596	End	8594
GI	none	Score	.62
Exons	2596..3040, 3713..3884, 4946..5071, 5124..5243, 6232..6292, 6590..7665, 8364..8594		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82176	Strand	+
Start	2475	End	8701
Name	OJ990930_12.0310.C15.o2.gp	Method	AAT/GAP
Start	5838	End	6145
GI	72524_1.R1084	Score	416
Exons	5838..6145		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	39753	Seq. ID	OJ990930_12.0310.C15
Gene No.	82176	Strand	+
Start	2475	End	8701
Name	OJ990930_12.0310.C15.o2.np	Method	AAT/NAP
Start	6098	End	8701
GI	7106512	Score	1884
Exons	6098..6158, 6232..7717, 8254..8701		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39754	Seq. ID	OJ990930_12.0310.C16
Gene No.	82177	Strand	+
Start	1	End	6134
Name	OJ990930_12.0310.C16.o1.np	Method	AAT/NAP
Start	1	End	1334
GI	7106512	Score	1542
Exons	1..1334		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39754	Seq. ID	OJ990930_12.0310.C16
Gene No.	82177	Strand	+
Start	1	End	6134
Name	OJ990930_12.0310.C16.o1.gs	Method	GENSCAN
Start	6	End	5078
GI	none	Score	.79
Exons	6..1068, 1415..1516, 1691..1869, 4766..4885, 5064..5078		

Seq. No.	39754	Seq. ID	OJ990930_12.0310.C16
Gene No.	82177	Strand	+
Start	1	End	6134
Name	OJ990930_12.0310.C16.o2.gp	Method	AAT/GAP
Start	3487	End	3736
GI	3761181	Score	410
Exons	3487..3736		
GI Descrip.	4521193/dbj AB013450.1 AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	39754	Seq. ID	OJ990930_12.0310.C16
Gene No.	82177	Strand	+
Start	1	End	6134
Name	OJ990930_12.0310.C16.o2.np	Method	AAT/NAP
Start	3633	End	6134
GI	7106512	Score	96
Exons	3633..3693, 3767..3814, 6102..6134		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39754	Seq. ID	OJ990930_12.0310.C16
Gene No.	82178	Strand	-
Start	3373	End	3680
Name	OJ990930_12.0310.C16.o1.gp	Method	AAT/GAP
Start	3373	End	3680
GI	72524 1.R1084	Score	419
Exons	3373..3680		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	39755	Seq. ID	OJ990930_12.0310.C17
Gene No.	82179	Strand	+
Start	710	End	1348
Name	OJ990930_12.0310.C17.o1.gs	Method	GENSCAN
Start	710	End	1348
GI	none	Score	.41
Exons	710..882, 914..1097, 1255..1348		

Seq. No.	39755	Seq. ID	OJ990930_12.0310.C17
Gene No.	82180	Strand	-
Start	2015	End	2197
Name	OJ990930_12.0310.C17.o2.gs	Method	GENSCAN
Start	2015	End	2197
GI	none	Score	.92
Exons	2015..2197		

Seq. No.	39756	Seq. ID	OJ990930_12.0310.C18
Gene No.	82181	Strand	+
Start	939	End	1561
Name	OJ990930_12.0310.C18.o1.gs	Method	GENSCAN
Start	939	End	1561
GI	none	Score	.55
Exons	939..1096, 1447..1561		

Seq. No.	39756	Seq. ID	OJ990930_12.0310.C18
Gene No.	82182	Strand	+

Start 2967
 Name OJ990930_12.0310.C18.o1.gp
 Start 2967
 GI 426759
 Exons 2967..3320

End 3320
 Method AAT/GAP
 End 3320
 Score 670

Seq. No. 39756
 Gene No. 82183
 Start 4769
 Name OJ990930_12.0310.C18.o2.gp
 Start 4769
 GI 3761047
 Exons 4769..5056

Seq. ID OJ990930_12.0310.C18
 Strand +
 End 5056
 Method AAT/GAP
 End 5056
 Score 463

Seq. No. 39756
 Gene No. 82184
 Start 7776
 Name OJ990930_12.0310.C18.o4.gs
 Start 7776
 GI none
 Exons 7776..8282

Seq. ID OJ990930_12.0310.C18
 Strand +
 End 8282
 Method GENSCAN
 End 8282
 Score .45

Seq. No. 39756
 Gene No. 82185
 Start 2578
 Name OJ990930_12.0310.C18.o1.tm
 Start 1599
 GI none
 Exons

Seq. ID OJ990930_12.0310.C18
 Strand -
 End 4190
 Method TBLASTX:Maize
 End 2362
 Score 68

1599..1676, 1601..1684, 1734..1841, 1734..1823, 1734..1823,
 1734..1835, 1734..1844, 1736..1831, 1747..1860, 1749..1826,
 1749..1826, 1750..1857, 1750..1833, 1751..1840, 1754..1831,
 1869..2030, 1876..1995, 1878..1988, 1879..1995, 1881..2030,
 1888..1986, 1889..2032, 1902..1988, 1957..2034, 1962..2039,
 1969..2046, 2040..2189, 2050..2166, 2058..2168, 2059..2181,
 2059..2106, 2068..2169, 2087..2173, 2088..2210, 2088..2168,
 2213..2362, 2215..2349

Seq. No. 39756
 Gene No. 82185
 Start 2578
 Name OJ990930_12.0310.C18.o2.gs
 Start 2578
 GI none
 Exons 2578..3095, 3680..3890, 4149..4190

Seq. ID OJ990930_12.0310.C18
 Strand -
 End 4190
 Method GENSCAN
 End 4190
 Score .58

Seq. No. 39757
 Gene No. 82186
 Start 218
 Name OJ990930_12.0310.C20.o1.gs
 Start 218
 GI none
 Exons 218..643, 722..1310, 1544..1680, 2806..2842

Seq. ID OJ990930_12.0310.C20
 Strand -
 End 2842
 Method GENSCAN
 End 2842
 Score .92

Seq. No. 39758
 Gene No. 82187
 Start 352
 Name OJ990930_12.0310.C21.o1.gp

Seq. ID OJ990930_12.0310.C21
 Strand -
 End 2617
 Method AAT/GAP

Start	352	End	1808
GI	5002953	Score	1233
Exons	352..533; 1013..1419, 1677..1808		
GI Descrip.	4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o1.np	Method	AAT/NAP
Start	466	End	2617
GI	4680203	Score	1055
Exons	466..1404, 1680..1909, 2063..2155, 2198..2617		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o1.tw	Method	TBLASTX:Wheat
Start	577	End	1793
GI	none	Score	67
Exons	577..669, 670..774, 698..775, 799..840, 799..837, 844..891, 880..1083, 896..1036, 1051..1218, 1059..1235, 1254..1361, 1306..1362, 1387..1449, 1392..1793, 1453..1749		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o1.tc	Method	TBLASTX:Cress
Start	1068	End	1449
GI	none	Score	62
Exons	1068..1235, 1096..1218, 1254..1361, 1387..1449		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o1.tm	Method	TBLASTX:Maize
Start	1455	End	1752
GI	none	Score	149
Exons	1455..1751, 1456..1752		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o2.tw	Method	TBLASTX:Wheat
Start	1808	End	2152
GI	none	Score	52
Exons	1808..1879, 1809..1880, 1916..2152, 1917..2117		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o2.tm	Method	TBLASTX:Maize
Start	1925	End	2140
GI	none	Score	93
Exons	1925..1987, 1994..2140, 2004..2111		

Seq. No.	39758	Seq. ID	OJ990930_12.0310.C21
Gene No.	82187	Strand	-
Start	352	End	2617
Name	OJ990930_12.0310.C21.o1.ts	Method	TBLASTX:Soybean
Start	2285	End	2512
GI	none	Score	94
Exons	2285..2512, 2364..2510		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o1.np	Method	AAT/NAP
Start	1	End	2514
GI	7248394	Score	2203
Exons	1..358, 629..1698, 2135..2514		
GI Descrip.	(AP001389) ESTs C97394(C60113), AU075824(R0165), D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15011 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o5.ts	Method	TBLASTX:Soybean
Start	328	End	696
GI	none	Score	133
Exons	328..546, 562..696		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o1.gs	Method	GENSCAN
Start	343	End	3668
GI	none	Score	.87
Exons	343..1120, 1334..1427, 1503..2349, 2397..2585, 2787..3668		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o1.tw	Method	TBLASTX:Wheat
Start	490	End	898
GI	none	Score	587
Exons	490..897, 507..824, 616..846, 797..898, 800..898		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o2.tm	Method	TBLASTX:Maize
Start	550	End	765
GI	none	Score	296
Exons	550..765, 552..764		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o1.tm	Method	TBLASTX:Maize

Start	766	End	1227
GI	none	Score	619
Exons	766..1227, 768..824, 885..1226		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o4.ts	Method	TBLASTX:Soybean
Start	913	End	1382
GI	none	Score	219
Exons	913..1194, 943..1062, 948..1148, 1236..1382		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o3.tw	Method	TBLASTX:Wheat
Start	916	End	1292
GI	none	Score	200
Exons	916..1218, 1195..1272, 1197..1292		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o1.ts	Method	TBLASTX:Soybean
Start	1533	End	1950
GI	none	Score	67
Exons	1533..1661, 1533..1667, 1534..1677, 1707..1793, 1708..1950, 1833..1946		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o5.tw	Method	TBLASTX:Wheat
Start	1579	End	2013
GI	none	Score	66
Exons	1579..1647, 1744..2013, 1755..1796, 1827..1928		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o2.tw	Method	TBLASTX:Wheat
Start	1649	End	3632
GI	none	Score	230
Exons	1649..1741, 3216..3632		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o3.tm	Method	TBLASTX:Maize
Start	2463	End	2816
GI	none	Score	217
Exons	2463..2816		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o2.np	Method	AAT/NAP

Start	2533	End	3695
GI	629693	Score	555
Exons	2533..3695		
GI Descrip.	probable integrase - common tobacco (fragment)		
	gi 530742 emb CAA56791 (X80830) integrase [Nicotiana tabacum]		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o3.ts	Method	TBLASTX:Soybean
Start	2670	End	3065
GI	none	Score	240
Exons	2670..3065, 2771..2965		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o4.tw	Method	TBLASTX:Wheat
Start	2826	End	3185
GI	none	Score	183
Exons	2826..3185		

Seq. No.	39759	Seq. ID	OJ990930_12.0310.C23
Gene No.	82188	Strand	+
Start	1	End	3695
Name	OJ990930_12.0310.C23.o2.ts	Method	TBLASTX:Soybean
Start	3408	End	3653
GI	none	Score	246
Exons	3408..3653, 3452..3538, 3608..3649		

Seq. No.	39760	Seq. ID	OJ990930_12.0310.C24
Gene No.	82189	Strand	-
Start	31	End	2282
Name	OJ990930_12.0310.C24.o1.gs	Method	GENSCAN
Start	31	End	2216
GI	none	Score	.64
Exons	31..160, 259..408, 1855..1905, 2000..2216		

Seq. No.	39760	Seq. ID	OJ990930_12.0310.C24
Gene No.	82189	Strand	-
Start	31	End	2282
Name	OJ990930_12.0310.C24.o2.tm	Method	TBLASTX:Maize
Start	1332	End	1610
GI	none	Score	93
Exons	1332..1610, 1416..1562, 1468..1599		

Seq. No.	39760	Seq. ID	OJ990930_12.0310.C24
Gene No.	82189	Strand	-
Start	31	End	2282
Name	OJ990930_12.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	1742	End	2080
GI	none	Score	95
Exons	1742..1891, 1747..1914, 1921..1950, 1940..2080		

Seq. No.	39760	Seq. ID	OJ990930_12.0310.C24
Gene No.	82189	Strand	-
Start	31	End	2282

Name	OJ990930_12.0310.C24.o1.tm	Method	TBLASTX:Maize
Start	1801	End	2282
GI	none	Score	67
Exons	1801..1929, 1801..1893, 1931..2281, 1947..2282		
Seq. No.	39760	Seq. ID	OJ990930_12.0310.C24
Gene No.	82190	Strand	
Start	2288	End	2516
Name	OJ990930_12.0310.C24.o3.tm	Method	TBLASTX:Maize
Start	2288	End	2516
GI	none	Score	87
Exons	2288..2509, 2325..2516		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82191	Strand	+
Start	5823	End	8286
Name	OJ990930_12.0310.C25.o2.gs	Method	GENSCAN
Start	5823	End	8286
GI	none	Score	.51
Exons	5823..6023, 6161..6363, 6751..7046, 7373..7478, 8130..8286		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82192	Strand	+
Start	9468	End	9989
Name	OJ990930_12.0310.C25.o3.gs	Method	GENSCAN
Start	9468	End	9989
GI	none	Score	.6
Exons	9468..9682, 9872..9989		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82193	Strand	+
Start	13526	End	13849
Name	OJ990930_12.0310.C25.o3.np	Method	AAT/NAP
Start	13526	End	13849
GI	6539588	Score	209
Exons	13526..13849		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82194	Strand	+
Start	17236	End	20237
Name	OJ990930_12.0310.C25.o5.gs	Method	GENSCAN
Start	17236	End	20237
GI	none	Score	.4
Exons	17236..17319, 18079..18246, 19624..19688, 20186..20237		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82195	Strand	+
Start	22365	End	23501
Name	OJ990930_12.0310.C25.o6.gs	Method	GENSCAN
Start	22365	End	23501
GI	none	Score	.64
Exons	22365..22830, 23029..23501		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82196	Strand	+
Start	23788	End	26927

Name	OJ990930_12.0310.C25.o7.gs	Method	GENSCAN
Start	23788	End	26927
GI	none	Score	.53
Exons	23788..24240, 24245..24908, 25095..25361, 25812..25952, 26132..26514, 26532..26927		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82196	Strand	+
Start	23788	End	26927
Name	OJ990930_12.0310.C25.o5.np	Method	AAT/NAP
Start	23812	End	26467
GI	4680179	Score	2950
Exons	23812..24802, 24830..26467		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82197	Strand	-
Start	1190	End	4575
Name	OJ990930_12.0310.C25.o1.gs	Method	GENSCAN
Start	1190	End	4575
GI	none	Score	.63
Exons	1190..1831, 1970..2286, 2341..2652, 2787..2947, 3100..3383, 3836..4521, 4545..4575		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82198	Strand	-
Start	9498	End	15082
Name	OJ990930_12.0310.C25.o2.np	Method	AAT/NAP
Start	9498	End	13602
GI	4416302	Score	616
Exons	9498..10234, 13531..13602		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82198	Strand	-
Start	9498	End	15082
Name	OJ990930_12.0310.C25.o4.gs	Method	GENSCAN
Start	13104	End	15061
GI	none	Score	.66
Exons	13104..13460, 13649..13792, 14792..15061		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82198	Strand	-
Start	9498	End	15082
Name	OJ990930_12.0310.C25.o4.np	Method	AAT/NAP
Start	13428	End	15082
GI	6539588	Score	157
Exons	13428..13447, 14764..15082		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o4.tm	Method	TBLASTX:Maize
Start	3	End	415
GI	none	Score	74
Exons	3..59, 8..415, 90..392		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o4.tw	Method	TBLASTX:Wheat
Start	32	End	361
GI	none	Score	177
Exons	32..361, 87..341		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o7.tw	Method	TBLASTX:Wheat
Start	690	End	1032
GI	none	Score	40
Exons	690..749, 691..750, 743..838, 750..827, 823..1032, 827..1003		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o6.tw	Method	TBLASTX:Wheat
Start	1282	End	1633
GI	none	Score	71
Exons	1282..1491, 1286..1507, 1484..1633, 1509..1631		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o2.ts	Method	TBLASTX:Soybean
Start	9471	End	10138
GI	none	Score	38
Exons	9471..9749, 9643..9735, 9768..10007, 9811..9969, 9977..10138		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o1.tm	Method	TBLASTX:Maize
Start	9519	End	10153
GI	none	Score	145
Exons	9519..10010, 9531..9929, 9562..10008, 10007..10153		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o10.tw	Method	TBLASTX:Wheat
Start	9564	End	9926
GI	none	Score	69
Exons	9564..9740, 9564..9737, 9759..9926		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o7.np	Method	AAT/NAP
Start	22459	End	33917
GI	6523547	Score	66
Exons	22459..22564, 22643..22844, 23739..23863, 31385..31531, 33633..33760, 33884..33917		

GI Descrip. (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o9.tw	Method	TBLASTX:Wheat
Start	23971	End	24243
GI	none	Score	219
Exons	23971..24243, 23973..24149, 24016..24201		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o5.tw	Method	TBLASTX:Wheat
Start	24248	End	24553
GI	none	Score	287
Exons	24248..24553, 24250..24339		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o6.tm	Method	TBLASTX:Maize
Start	24248	End	24508
GI	none	Score	222
Exons	24248..24508, 24250..24339, 24327..24365, 24427..24507		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o7.tm	Method	TBLASTX:Maize
Start	24854	End	25174
GI	none	Score	186
Exons	24854..25174		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o8.tw	Method	TBLASTX:Wheat
Start	24908	End	25255
GI	none	Score	240
Exons	24908..25255		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o1.tw	Method	TBLASTX:Wheat
Start	25390	End	25876
GI	none	Score	515
Exons	25390..25683, 25394..25876, 25505..25834		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o4.ts	Method	TBLASTX:Soybean
Start	25430	End	25744
GI	none	Score	186

Exons 25430..25744

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o3.tm	Method	TBLASTX:Maize
Start	25459	End	25927
GI	none	Score	356
Exons	25459..25641, 25463..25906, 25535..25927		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o1.ts	Method	TBLASTX:Soybean
Start	25817	End	32990
GI	none	Score	57
Exons	25817..25849, 25817..25849, 25853..25906, 25853..25933, 25855..25998, 25961..26047, 25972..26019, 26038..26154, 26040..26201, 26047..26211, 32919..32990		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o2.tw	Method	TBLASTX:Wheat
Start	25975	End	26415
GI	none	Score	69
Exons	25975..26019, 25976..26026, 25983..26399, 26044..26415		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o2.tm	Method	TBLASTX:Maize
Start	26107	End	26466
GI	none	Score	378
Exons	26107..26466, 26160..26465, 26173..26466		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o3.ts	Method	TBLASTX:Soybean
Start	26233	End	26466
GI	none	Score	188
Exons	26233..26466		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o3.tw	Method	TBLASTX:Wheat
Start	26457	End	26879
GI	none	Score	455
Exons	26457..26879, 26477..26617, 26639..26686, 26715..26858		

Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o5.tm	Method	TBLASTX:Maize
Start	26523	End	26783

GI	none	Score	271
Exons	26523..26783, 26534..26683, 26634..26756		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o8.gs	Method	GENSCAN
Start	27319	End	30142
GI	none	Score	.62
Exons	27319..27525, 27643..28005, 29723..29977, 30092..30142		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o6.np	Method	AAT/NAP
Start	27717	End	33917
GI	5852180	Score	408
Exons	27717..28090, 29089..29176, 33890..33917		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	39761	Seq. ID	OJ990930_12.0310.C25
Gene No.	82199	Strand	-
Start	22459	End	33917
Name	OJ990930_12.0310.C25.o9.gs	Method	GENSCAN
Start	31303	End	32969
GI	none	Score	.59
Exons	31303..31603, 31636..31810, 32419..32513, 32911..32969		
Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82200	Strand	+
Start	1735	End	2442
Name	OJ990930_12.0310.C27.o1.gs	Method	GENSCAN
Start	1735	End	2265
GI	none	Score	.46
Exons	1735..2265		
Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82200	Strand	+
Start	1735	End	2442
Name	OJ990930_12.0310.C27.o1.gp	Method	AAT/GAP
Start	1765	End	2442
GI	26606_2.R1084	Score	1317
Exons	1765..2442		
GI Descrip.	'4680203/gb AAD27566.1 AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82201	Strand	+
Start	3021	End	12677
Name	OJ990930_12.0310.C27.o1.np	Method	AAT/NAP
Start	2614	End	5065
GI	6598399	Score	1340
Exons	2614..5065		
GI Descrip.	(AC003952) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27

Gene No.	82201	Strand	+
Start	3021	End	12677
Name	OJ990930_12.0310.C27.o2.gs	Method	GENSCAN
Start	3021	End	4136
GI	none	Score	.51
Exons	3021..4136		
Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82201	Strand	+
Start	3021	End	12677
Name	OJ990930_12.0310.C27.o3.gs	Method	GENSCAN
Start	4444	End	12674
GI	none	Score	.63
Exons	4444..4995, 5322..5482, 5642..5718, 5998..6041, 6242..6451, 6507..8888, 9102..12674		
Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82201	Strand	+
Start	3021	End	12677
Name	OJ990930_12.0310.C27.o3.np	Method	AAT/NAP
Start	6525	End	12677
GI	7228457	Score	9289
Exons	6525..6891, 6953..8888, 8952..9786, 9909..11060, 11127..12677		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o3.tw	Method	TBLASTX:Wheat
Start	3135	End	3557
GI	none	Score	415
Exons	3135..3248, 3140..3442, 3144..3557, 3279..3443, 3477..3557		
Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o5.tm	Method	TBLASTX:Maize
Start	3294	End	3761
GI	none	Score	104
Exons	3294..3458, 3480..3761		
Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o3.ts	Method	TBLASTX:Soybean
Start	3468	End	3734
GI	none	Score	196
Exons	3468..3734		
Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o10.tw	Method	TBLASTX:Wheat
Start	3561	End	3773
GI	none	Score	239

Exons 3561..3773, 3572..3763

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o5.tw	Method	TBLASTX:Wheat
Start	3885	End	4278
GI	none	Score	234
Exons	3885..4118, 3923..4111, 4113..4250, 4120..4278, 4132..4275		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o4.tm	Method	TBLASTX:Maize
Start	4002	End	4374
GI	none	Score	124
Exons	4002..4127, 4010..4132, 4129..4374, 4218..4286		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o2.ts	Method	TBLASTX:Soybean
Start	4153	End	4509
GI	none	Score	165
Exons	4153..4413, 4182..4346, 4429..4509, 4437..4496		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o7.tm	Method	TBLASTX:Maize
Start	4378	End	4635
GI	none	Score	88
Exons	4378..4443, 4486..4635		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o9.tw	Method	TBLASTX:Wheat
Start	7179	End	7571
GI	none	Score	58
Exons	7179..7226, 7233..7331, 7250..7339, 7298..7537, 7314..7571		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o6.tm	Method	TBLASTX:Maize
Start	7184	End	7469
GI	none	Score	193
Exons	7184..7468, 7221..7469		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o8.tw	Method	TBLASTX:Wheat
Start	7579	End	11039
GI	none	Score	221
Exons	7579..7632, 10581..10829, 10605..10829, 10670..10843,		

10890...11039, 10901...11038

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o4.tw	Method	TBLASTX:Wheat
Start	8309	End	8795
GI	none	Score	404
Exons	8309..8446, 8310..8795, 8322..8492, 8504..8647, 8529..8738, 8717..8764		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o1.tw	Method	TBLASTX:Wheat
Start	8960	End	9422
GI	none	Score	579
Exons	8960..9421, 8961..9422		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o1.tm	Method	TBLASTX:Maize
Start	9090	End	9446
GI	none	Score	388
Exons	9090..9446, 9125..9436, 9141..9446		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o3.tm	Method	TBLASTX:Maize
Start	9473	End	9857
GI	none	Score	359
Exons	9473..9838, 9474..9857		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o2.tw	Method	TBLASTX:Wheat
Start	9530	End	9955
GI	none	Score	491
Exons	9530..9955, 9531..9950		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o1.ts	Method	TBLASTX:Soybean
Start	9609	End	9980
GI	none	Score	278
Exons	9609..9980, 9626..9769		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o11.tw	Method	TBLASTX:Wheat
Start	11042	End	11354
GI	none	Score	180

Exons 11042..11209, 11055..11243, 11103..11354

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o2.tm	Method	TBLASTX:Maize
Start	11547	End	11870
GI	none	Score	362
Exons	11547..11870, 11576..11857		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o6.tw	Method	TBLASTX:Wheat
Start	11684	End	12065
GI	none	Score	375
Exons	11684..11740, 11685..12065, 11688..11939, 11786..12034		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o7.tw	Method	TBLASTX:Wheat
Start	12066	End	12668
GI	none	Score	265
Exons	12066..12350, 12067..12402, 12071..12349, 12438..12512, 12542..12664, 12543..12668		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o4.gs	Method	GENSCAN
Start	13319	End	13699
GI	none	Score	.84
Exons	13319..13699		

Seq. No.	39762	Seq. ID	OJ990930_12.0310.C27
Gene No.	82202	Strand	-
Start	13319	End	13946
Name	OJ990930_12.0310.C27.o4.np	Method	AAT/NAP
Start	13322	End	13946
GI	5803259	Score	824
Exons	13322..13946		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39763	Seq. ID	OJ990930_12.0310.C28
Gene No.	82203	Strand	-
Start	1	End	2356
Name	OJ990930_12.0310.C28.o1.np	Method	AAT/NAP
Start	1	End	2356
GI	5803259	Score	3017
Exons	1..717, 754..996, 1096..2356		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39763	Seq. ID	OJ990930_12.0310.C28
Gene No.	82203	Strand	-
Start	1	End	2356
Name	OJ990930_12.0310.C28.o1.gs	Method	GENSCAN

Start	76	End	2356
GI	none	Score	.71
Exons	76..833, 844..996, 1175..1264, 1369..1942, 1964..2356		
Seq. No.	39763	Seq. ID	OJ990930_12.0310.C28
Gene No.	82204	Strand	-
Start	3017	End	3249
Name	OJ990930_12.0310.C28.o2.np	Method	AAT/NAP
Start	3017	End	3249
GI	7523512	Score	92
Exons	3017..3249		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82205	Strand	+
Start	1	End	1933
Name	OJ990930_12.0310.C30.o3.np	Method	AAT/NAP
Start	1	End	817
GI	6002794	Score	328
Exons	1..42, 600..817		
GI Descrip.	(AF149813) unknown [Oryza sativa]		
Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82205	Strand	+
Start	1	End	1933
Name	OJ990930_12.0310.C30.o1.gs	Method	GENSCAN
Start	690	End	1906
GI	none	Score	.79
Exons	690..896, 1137..1906		
Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82205	Strand	+
Start	1	End	1933
Name	OJ990930_12.0310.C30.o4.np	Method	AAT/NAP
Start	1308	End	1933
GI	4680179	Score	349
Exons	1308..1933		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82206	Strand	-
Start	1	End	1904
Name	OJ990930_12.0310.C30.o1.np	Method	AAT/NAP
Start	1	End	1724
GI	6069659	Score	114
Exons	1..197, 1679..1724		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82206	Strand	-
Start	1	End	1904
Name	OJ990930_12.0310.C30.o2.np	Method	AAT/NAP
Start	1	End	569
GI	6907088	Score	334
Exons	1..24, 329..569		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39764	Seq. ID	OJ990930_12.0310.C30
Gene No.	82206	Strand	-
Start	1	End	1904
Name	OJ990930_12.0310.C30.o1.tw	Method	TBLASTX:Wheat
Start	1527	End	1904
GI	none	Score	264
Exons	1527..1904, 1544..1645		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.np	Method	AAT/NAP
Start	1	End	2452
GI	4680179	Score	3114
Exons	1..2452		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o6.tw	Method	TBLASTX:Wheat
Start	1	End	148
GI	none	Score	228
Exons	1..147, 2..148		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o4.tm	Method	TBLASTX:Maize
Start	5	End	487
GI	none	Score	139
Exons	5..166, 152..487, 278..325, 313..465		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.gs	Method	GENSCAN
Start	8	End	2423
GI	none	Score	.8
Exons	8..592, 762..2423		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.ts	Method	TBLASTX:Soybean
Start	41	End	436
GI	none	Score	56
Exons	41..73, 41..73, 58..153, 77..436, 193..408		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o5.tw	Method	TBLASTX:Wheat
Start	149	End	445
GI	none	Score	366
Exons	149..445, 193..408		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o3.tw	Method	TBLASTX:Wheat
Start	451	End	875
GI	none	Score	255
Exons	451..681, 452..658, 658..726, 660..716, 726..860, 729..875		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o3.tm	Method	TBLASTX:Maize
Start	524	End	875
GI	none	Score	178
Exons	524..658, 526..660, 658..726, 699..872, 729..875		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o2.tw	Method	TBLASTX:Wheat
Start	918	End	1442
GI	none	Score	580
Exons	918..1442, 992..1438		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.tc	Method	TBLASTX:Cress
Start	1149	End	1466
GI	none	Score	97
Exons	1149..1322, 1170..1322, 1323..1466, 1325..1450		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o2.ts	Method	TBLASTX:Soybean
Start	1235	End	1490
GI	none	Score	298
Exons	1235..1480, 1242..1490, 1362..1490		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o2.tm	Method	TBLASTX:Maize
Start	1290	End	1580
GI	none	Score	382
Exons	1290..1580, 1301..1480, 1529..1576		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.tw	Method	TBLASTX:Wheat
Start	1449	End	2075
GI	none	Score	676
Exons	1449..2075, 1529..1951		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
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Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o1.tm	Method	TBLASTX:Maize
Start	1632	End	2225
GI	none	Score	221
Exons	1632..1790, 1635..1781, 1637..1783, 1786..1869, 1787..1969, 1787..1930, 1788..2225, 2006..2215, 2130..2225		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o4.tw	Method	TBLASTX:Wheat
Start	2075	End	2408
GI	none	Score	378
Exons	2075..2119, 2076..2408, 2083..2181, 2115..2183, 2171..2356, 2238..2387		

Seq. No.	39765	Seq. ID	OJ990930_12.0310.C31
Gene No.	82207	Strand	+
Start	1	End	2452
Name	OJ990930_12.0310.C31.o5.tm	Method	TBLASTX:Maize
Start	2232	End	2393
GI	none	Score	189
Exons	2232..2390, 2235..2393		

Seq. No.	39766	Seq. ID	OJ990930_12.0310.C32
Gene No.	82208	Strand	-
Start	1	End	1246
Name	OJ990930_12.0310.C32.o1.np	Method	AAT/NAP
Start	1	End	1246
GI	6983857	Score	405
Exons	1..263, 294..769, 1019..1246		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39766	Seq. ID	OJ990930_12.0310.C32
Gene No.	82208	Strand	-
Start	1	End	1246
Name	OJ990930_12.0310.C32.o1.gs	Method	GENSCAN
Start	238	End	317
GI	none	Score	.47
Exons	238..317		

Seq. No.	39767	Seq. ID	OJ990930_12.0310.C33
Gene No.	82209	Strand	+
Start	53	End	1020
Name	OJ990930_12.0310.C33.o1.gs	Method	GENSCAN
Start	53	End	1020
GI	none	Score	.69
Exons	53..668, 698..1020		

Seq. No.	39767	Seq. ID	OJ990930_12.0310.C33
Gene No.	82210	Strand	+
Start	1907	End	2290
Name	OJ990930_12.0310.C33.o1.gp	Method	AAT/GAP
Start	1907	End	2290
GI	uC-osflcyp033a04b1	Score	673
Exons	1907..2290		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	39767	Seq. ID	OJ990930_12.0310.C33
Gene No.	82211	Strand	+
Start	5333	End	5492
Name	OJ990930_12.0310.C33.o2.gp	Method	AAT/GAP
Start	5333	End	5492
GI	38782_1.R1084	Score	277
Exons	5333..5492		

GI Descrip.. '6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'

Seq. No.	39767	Seq. ID	OJ990930_12.0310.C33
Gene No.	82212	Strand	-
Start	1332	End	4984
Name	OJ990930_12.0310.C33.o2.gs	Method	GENSCAN
Start	1332	End	3662
GI	none	Score	.67
Exons	1332..1438, 2065..2192, 3179..3312, 3342..3662		

Seq. No.	39767	Seq. ID	OJ990930_12.0310.C33
Gene No.	82212	Strand	-
Start	1332	End	4984
Name	OJ990930_12.0310.C33.o1.np	Method	AAT/NAP
Start	3551	End	4984
GI	6907088	Score	1003
Exons	3551..3947, 4435..4672, 4848..4984		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39768	Seq. ID	OJ990930_12.0310.C34
Gene No.	82213	Strand	+
Start	1309	End	1591
Name	OJ990930_12.0310.C34.o1.gs	Method	GENSCAN
Start	1309	End	1591
GI	none	Score	.58
Exons	1309..1591		

Seq. No.	39769	Seq. ID	OJ990930_12.0310.C36
Gene No.	82214	Strand	+
Start	598	End	2823
Name	OJ990930_12.0310.C36.o1.gs	Method	GENSCAN
Start	598	End	2823
GI	none	Score	.77
Exons	598..678, 2596..2823		

Seq. No.	39770	Seq. ID	OJ990930_12.0310.C37
Gene No.	82215	Strand	-
Start	9419	End	15369
Name	OJ990930_12.0310.C37.o2.gs	Method	GENSCAN
Start	9419	End	15369
GI	none	Score	.46
Exons	9419..9478, 12030..12278, 12306..12351, 12388..12737, 12959..13034, 13904..13963, 14084..14187, 15199..15369		

Seq. No.	39770	Seq. ID	OJ990930_12.0310.C37
Gene No.	82215	Strand	-

Start	9419	End	15369
Name	OJ990930_12.0310.C37.o1.np	Method	AAT/NAP
Start	11164	End	12214
GI	6815099	Score	80
Exons	11164..11282, 12030..12214		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	39771	Seq. ID	OJ990930_12.0310.C38
Gene No.	82216	Strand	+
Start	1	End	787
Name	OJ990930_12.0310.C38.o1.np	Method	AAT/NAP
Start	1	End	787
GI	4680203	Score	494
Exons	1..91, 230..787		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39771	Seq. ID	OJ990930_12.0310.C38
Gene No.	82216	Strand	+
Start	1	End	787
Name	OJ990930_12.0310.C38.o1.gs	Method	GENSCAN
Start	205	End	582
GI	none	Score	.72
Exons	205..582		

Seq. No.	39771	Seq. ID	OJ990930_12.0310.C38
Gene No.	82216	Strand	+
Start	1	End	787
Name	OJ990930_12.0310.C38.o1.tw	Method	TBLASTX:Wheat
Start	234	End	779
GI	none	Score	207
Exons	234..554, 236..277, 395..556, 602..697, 603..707, 711..779		

Seq. No.	39771	Seq. ID	OJ990930_12.0310.C38
Gene No.	82216	Strand	+
Start	1	End	787
Name	OJ990930_12.0310.C38.o1.ts	Method	TBLASTX:Soybean
Start	245	End	573
GI	none	Score	267
Exons	245..277, 279..554, 281..547, 312..572, 334..573		

Seq. No.	39772	Seq. ID	OJ990930_12.0310.C39
Gene No.	82217	Strand	+
Start	1	End	979
Name	OJ990930_12.0310.C39.o1.np	Method	AAT/NAP
Start	1	End	979
GI	4680179	Score	535
Exons	1..237, 340..979		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39772	Seq. ID	OJ990930_12.0310.C39
Gene No.	82217	Strand	+
Start	1	End	979
Name	OJ990930_12.0310.C39.o2.tw	Method	TBLASTX:Wheat
Start	183	End	524
GI	none	Score	63
Exons	183..251, 209..232, 354..524, 354..506, 419..517		

Seq. No.	39772	Seq. ID	OJ990930_12.0310.C39
Gene No.	82217	Strand	+
Start	1	End	979
Name	OJ990930_12.0310.C39.o1.tm	Method	TBLASTX:Maize
Start	368	End	694
GI	none	Score	207
Exons	368..481, 369..692, 375..509, 611..694		

Seq. No.	39772	Seq. ID	OJ990930_12.0310.C39
Gene No.	82217	Strand	+
Start	1	End	979
Name	OJ990930_12.0310.C39.o1.tw	Method	TBLASTX:Wheat
Start	554	End	968
GI	none	Score	151
Exons	554..736, 555..743, 819..968, 842..961		

Seq. No.	39772	Seq. ID	OJ990930_12.0310.C39
Gene No.	82217	Strand	+
Start	1	End	979
Name	OJ990930_12.0310.C39.o2.tm	Method	TBLASTX:Maize
Start	782	End	979
GI	none	Score	38
Exons	782..832, 792..971, 842..979, 887..976		

Seq. No.	39773	Seq. ID	OJ990810_16.0310.C4
Gene No.	82218	Strand	
Start	89	End	812
Name	OJ990810_16.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	89	End	812
GI	none	Score	92
Exons	89..151, 91..153, 92..154, 146..262, 147..263, 346..564, 348..569, 351..587, 567..779, 619..753, 765..812		

Seq. No.	39774	Seq. ID	OJ990810_16.0310.C8
Gene No.	82219	Strand	
Start	357	End	543
Name	OJ990810_16.0310.C8.o2.tm	Method	TBLASTX:Maize
Start	357	End	543
GI	none	Score	151
Exons	357..542, 358..543, 358..543		

Seq. No.	39774	Seq. ID	OJ990810_16.0310.C8
Gene No.	82220	Strand	
Start	843	End	1091
Name	OJ990810_16.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	843	End	1091
GI	none	Score	206
Exons	843..1091, 843..1079, 865..1089		

Seq. No.	39775	Seq. ID	OJ990810_16.0310.C9
Gene No.	82221	Strand	-
Start	1	End	2800
Name	OJ990810_16.0310.C9.o1.gp	Method	AAT/GAP
Start	1	End	2800
GI	18418 2.R1084	Score	971
Exons	1..176, 2323..2436, 2559..2800		
GI Descrip.	'5541704/emb CAB51209.1 2.0e-47 (AL096860) 40S RIBOSOMAL		

PROTEIN S20 homolog [Arabidopsis thaliana]'

Seq. No.	39775	Seq. ID	OJ990810_16.0310.C9
Gene No.	82221	Strand	-
Start	1	End	2800
Name	OJ990810_16.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	28	End	2661
GI	none	Score	161
Exons	28..177, 32..178, 50..178, 51..188, 2276..2437, 2314..2433, 2321..2437, 2558..2608, 2560..2610, 2561..2620, 2614..2661		

Seq. No.	39775	Seq. ID	OJ990810_16.0310.C9
Gene No.	82221	Strand	-
Start	1	End	2800
Name	OJ990810_16.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	34	End	2649
GI	none	Score	207
Exons	34..177, 35..178, 50..178, 2319..2438, 2320..2445, 2321..2437, 2560..2628, 2561..2623, 2599..2649		

Seq. No.	39775	Seq. ID	OJ990810_16.0310.C9
Gene No.	82221	Strand	-
Start	1	End	2800
Name	OJ990810_16.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	34	End	2616
GI	none	Score	158
Exons	34..177, 41..178, 2251..2436, 2319..2438, 2321..2437, 2560..2616		

Seq. No.	39775	Seq. ID	OJ990810_16.0310.C9
Gene No.	82221	Strand	-
Start	1	End	2800
Name	OJ990810_16.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	35	End	2623
GI	none	Score	175
Exons	35..178, 36..191, 40..177, 2319..2438, 2320..2445, 2321..2437, 2560..2616, 2561..2623		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82222	Strand	-
Start	1169	End	1519
Name	OJ990810_16.0310.C10.o4.tm	Method	TBLASTX:Maize
Start	1169	End	1408
GI	none	Score	193
Exons	1169..1408, 1285..1407		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82222	Strand	-
Start	1169	End	1519
Name	OJ990810_16.0310.C10.o5.tw	Method	TBLASTX:Wheat
Start	1181	End	1519
GI	none	Score	110
Exons	1181..1279, 1186..1251, 1268..1519, 1279..1485		

Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	-
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o2.tw	Method	TBLASTX:Wheat

Start	2234	End	8642
GI	none	Score	411
Exons	2234..2407, 2235..2720, 2429..2689, 8542..8589, 8565..8642		
Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	2886	End	4737
GI	none	Score	582
Exons	2886..3347, 2888..3340, 4690..4737		
Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o3.ts	Method	TBLASTX:Soybean
Start	2925	End	3290
GI	none	Score	113
Exons	2925..3149, 3156..3290		
Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	3015	End	3371
GI	none	Score	377
Exons	3015..3371, 3056..3361, 3066..3371		
Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o3.tm	Method	TBLASTX:Maize
Start	3398	End	3742
GI	none	Score	274
Exons	3398..3682, 3399..3683, 3671..3742		
Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o3.tw	Method	TBLASTX:Wheat
Start	3456	End	3874
GI	none	Score	264
Exons	3456..3686, 3457..3639, 3459..3677, 3554..3685, 3668..3874, 3694..3870		
Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	3504	End	3904
GI	none	Score	145
Exons	3504..3677, 3674..3904		
Seq. No.	39776	Seq. ID	OJ990810_16.0310.C10
Gene No.	82223	Strand	
Start	2234	End	8642
Name	OJ990810_16.0310.C10.o6.tw	Method	TBLASTX:Wheat

Start 4208
 GI none
 Exons 4208..4501, 4267..4500

End 4501
 Score 263

Seq. No. 39776
 Gene No. 82223
 Start 2234
 Name OJ990810_16.0310.C10.o2.ts
 Start 4460
 GI 5666795
 Exons 4460..4558, 4634..4771, 4826..5026
 GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. ID OJ990810_16.0310.C10
 Strand
 End 8642
 Method TBLASTX:Soybean
 End 5026
 Score 60

Seq. No. 39776
 Gene No. 82223
 Start 2234
 Name OJ990810_16.0310.C10.o8.tw
 Start 4826
 GI none
 Exons 4826..5086

Seq. ID OJ990810_16.0310.C10
 Strand
 End 8642
 Method TBLASTX:Wheat
 End 5086
 Score 189

Seq. No. 39776
 Gene No. 82223
 Start 2234
 Name OJ990810_16.0310.C10.o2.tm
 Start 5280
 GI none
 Exons 5280..5603, 5309..5590

Seq. ID OJ990810_16.0310.C10
 Strand
 End 8642
 Method TBLASTX:Maize
 End 5603
 Score 364

Seq. No. 39776
 Gene No. 82223
 Start 2234
 Name OJ990810_16.0310.C10.o4.tw
 Start 5417
 GI none
 Exons 5417..5494, 5418..5798, 5515..5658, 5522..5767

Seq. ID OJ990810_16.0310.C10
 Strand
 End 8642
 Method TBLASTX:Wheat
 End 5798
 Score 368

Seq. No. 39776
 Gene No. 82223
 Start 2234
 Name OJ990810_16.0310.C10.o7.tw
 Start 5799
 GI none
 Exons 5799..6083, 5804..6082, 5939..6109, 6275..6397, 6276..6401

Seq. ID OJ990810_16.0310.C10
 Strand
 End 8642
 Method TBLASTX:Wheat
 End 6401
 Score 258

Seq. No. 39776
 Gene No. 82223
 Start 2234
 Name OJ990810_16.0310.C10.o5.tm
 Start 6270
 GI none
 Exons 6270..6413, 6275..6409

Seq. ID OJ990810_16.0310.C10
 Strand
 End 8642
 Method TBLASTX:Maize
 End 6413
 Score 184

Seq. No. 39777
 Gene No. 82224
 Start 475
 Name OJ990810_16.0310.C11.o1.tm

Seq. ID OJ990810_16.0310.C11
 Strand
 End 2001
 Method TBLASTX:Maize

Start	475	End	2001
GI	none	Score	81
Exons	475..567, 985..1062, 986..1060, 990..1067, 1132..1212, 1162..1212, 1284..1343, 1285..1341, 1880..1999, 1880..1927, 1882..2001		

Seq. No.	39778	Seq. ID	OJ990810_16.0310.C12
Gene No.	82225	Strand	
Start	3	End	571
Name	OJ990810_16.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	3	End	571
GI	none	Score	406
Exons	3..437, 6..269, 34..276, 140..346, 384..569, 428..571		

Seq. No.	39778	Seq. ID	OJ990810_16.0310.C12
Gene No.	82226	Strand	
Start	539	End	920
Name	OJ990810_16.0310.C12.o1.ts	Method	TBLASTX:Soybean
Start	539	End	752
GI	none	Score	236
Exons	539..751, 549..752		

Seq. No.	39778	Seq. ID	OJ990810_16.0310.C12
Gene No.	82226	Strand	
Start	539	End	920
Name	OJ990810_16.0310.C12.o2.tm	Method	TBLASTX:Maize
Start	572	End	920
GI	none	Score	284
Exons	572..763, 573..767, 576..764, 682..771, 867..920		

Seq. No.	39779	Seq. ID	OJ990810_16.0310.C14
Gene No.	82227	Strand	
Start	681	End	1649
Name	OJ990810_16.0310.C14.o1.ts	Method	TBLASTX:Soybean
Start	681	End	1327
GI	none	Score	246
Exons	681..953, 682..954, 946..1149, 951..1148, 1136..1327		

Seq. No.	39779	Seq. ID	OJ990810_16.0310.C14
Gene No.	82227	Strand	
Start	681	End	1649
Name	OJ990810_16.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	816	End	1649
GI	none	Score	165
Exons	816..953, 817..954, 951..1148, 952..1149, 1136..1645, 1141..1641, 1482..1649		

Seq. No.	39779	Seq. ID	OJ990810_16.0310.C14
Gene No.	82227	Strand	
Start	681	End	1649
Name	OJ990810_16.0310.C14.o1.tc	Method	TBLASTX:Cress
Start	934	End	1351
GI	none	Score	221
Exons	934..1146, 945..1100, 1136..1351		

Seq. No.	39779	Seq. ID	OJ990810_16.0310.C14
Gene No.	82227	Strand	

Start	681	End	1649
Name	OJ990810_16.0310.C14.o2.tc	Method	TBLASTX:Cress
Start	1369	End	1630
GI	none	Score	98
Exons	1369..1434, 1370..1435, 1475..1630, 1478..1615, 1498..1626		

Seq. No.	39779	Seq. ID	OJ990810_16.0310.C14
Gene No.	82227	Strand	
Start	681	End	1649
Name	OJ990810_16.0310.C14.o2.ts	Method	TBLASTX:Soybean
Start	1373	End	1630
GI	none	Score	80
Exons	1373..1435, 1475..1630		

Seq. No.	39780	Seq. ID	OJ990810_16.0310.C16
Gene No.	82228	Strand	-
Start	515	End	882
Name	OJ990810_16.0310.C16.o1.gp	Method	AAT/GAP
Start	515	End	882
GI	18072_1.R1084	Score	688
Exons	515..882		
GI Descrip.	'2645165/dbj D50573 D50573 4.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		

Seq. No.	39781	Seq. ID	OJ990810_16.0310.C17
Gene No.	82229	Strand	-
Start	1	End	100
Name	OJ990810_16.0310.C17.o1.gp	Method	AAT/GAP
Start	1	End	100
GI	425916	Score	156
Exons	1..100		
GI Descrip.	2645165/dbj D50573 D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein		

Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	74	End	1858
GI	none	Score	117
Exons	74..244, 80..241, 433..582, 450..587, 451..585, 661..702, 667..774, 689..760, 901..993, 908..982, 993..1043, 994..1044, 1364..1459, 1366..1458, 1503..1637, 1537..1650, 1541..1651, 1729..1785, 1733..1843, 1734..1847, 1734..1847, 1778..1858		

Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o1.ts	Method	TBLASTX:Soybean
Start	74	End	1805
GI	none	Score	131
Exons	74..244, 92..241, 450..587, 451..585, 661..684, 688..774, 704..778, 898..966, 901..993, 908..985, 990..1040, 993..1043, 994..1044, 1364..1459, 1366..1458, 1537..1650, 1553..1651, 1729..1785, 1734..1805		

Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
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Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o1.tc	Method	TBLASTX:Cress
Start	83	End	963
GI	none	Score	97
Exons	83..256, 98..241, 132..257, 450..587, 451..585, 661..687, 662..688, 697..765, 698..766, 901..963, 908..961		
Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o1.gp	Method	AAT/GAP
Start	430	End	1489
GI	29591_1.R1084	Score	871
Exons	430..582, 665..762, 901..1041, 1367..1489		
GI Descrip.	'2645165/dbj D50573 D50573 3.0e-42 Oryza sativa mRNA, similar to ribosomal protein'		
Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o2.tw	Method	TBLASTX:Wheat
Start	661	End	1459
GI	none	Score	77
Exons	661..693, 688..765, 689..763, 901..1014, 908..982, 913..993, 993..1043, 994..1044, 1364..1459, 1366..1458		
Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o2.tc	Method	TBLASTX:Cress
Start	964	End	1614
GI	none	Score	119
Exons	964..993, 993..1043, 1364..1459, 1366..1458, 1525..1614, 1541..1606		
Seq. No.	39782	Seq. ID	OJ990810_16.0310.C18
Gene No.	82230	Strand	-
Start	430	End	1858
Name	OJ990810_16.0310.C18.o1.tw	Method	TBLASTX:Wheat
Start	1568	End	1829
GI	none	Score	73
Exons	1568..1651, 1570..1653, 1713..1829, 1731..1805		
Seq. No.	39783	Seq. ID	OJ990810_16.0310.C19
Gene No.	82231	Strand	-
Start	393	End	1968
Name	OJ990810_16.0310.C19.o1.gp	Method	AAT/GAP
Start	393	End	1968
GI	1631921	Score	813
Exons	393..500, 1318..1478, 1788..1968		
Seq. No.	39784	Seq. ID	OJ990810_16.0310.C20
Gene No.	82232	Strand	+
Start	1136	End	1193
Name	OJ990810_16.0310.C20.o1.gp	Method	AAT/GAP
Start	1136	End	1193

GI	2312838	Score	68
Exons	1136..1193		
GI Descrip.	1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	39785	Seq. ID	OJ990810_16.0310.C23
Gene No.	82233	Strand	+
Start	785	End	1145
Name	OJ990810_16.0310.C23.o1.gp	Method	AAT/GAP
Start	785	End	1145
GI	LIB3431-045-P1-N1-A10	Score	617
Exons	785..1145		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	39785	Seq. ID	OJ990810_16.0310.C23
Gene No.	82234	Strand	-
Start	2328	End	2826
Name	OJ990810_16.0310.C23.o2.gp	Method	AAT/GAP
Start	2328	End	2826
GI	LIB3475-007-P1-K1-G8	Score	776
Exons	2328..2577, 2654..2826		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	39786	Seq. ID	OJ990810_16.0310.C24
Gene No.	82235	Strand	+
Start	2829	End	2903
Name	OJ990810_16.0310.C24.o2.gp	Method	AAT/GAP
Start	2829	End	2903
GI	7406_1.R1084	Score	122
Exons	2829..2903		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	39786	Seq. ID	OJ990810_16.0310.C24
Gene No.	82236	Strand	-
Start	888	End	1362
Name	OJ990810_16.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	688	End	1068
GI	none	Score	79
Exons	688..864, 718..864, 749..868, 862..1059, 874..1068		
Seq. No.	39786	Seq. ID	OJ990810_16.0310.C24
Gene No.	82236	Strand	-
Start	888	End	1362
Name	OJ990810_16.0310.C24.o1.tm	Method	TBLASTX:Maize
Start	766	End	1362
GI	none	Score	153
Exons	766..837, 901..1200, 962..1183, 1234..1362, 1256..1354		
Seq. No.	39786	Seq. ID	OJ990810_16.0310.C24
Gene No.	82236	Strand	-
Start	888	End	1362
Name	OJ990810_16.0310.C24.o1.gp	Method	AAT/GAP
Start	888	End	1319

GI 5701669 Score 841
 Exons 888..1319
 GI Descrip. 5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)
 corresponds to a region of the predicted gene.; Similar to maize
 transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No. 39787 Seq. ID OJ990810_16.0310.C26
 Gene No. 82237 Strand
 Start 214 End 886
 Name OJ990810_16.0310.C26.o1.tm Method TBLASTX:Maize
 Start 214 End 886
 GI none Score 56
 Exons 214..288, 219..287, 219..302, 220..288, 746..886, 746..883,
 763..885

Seq. No. 39788 Seq. ID OJ990810_16.0310.C28
 Gene No. 82238 Strand +
 Start 332 End 1570
 Name OJ990810_16.0310.C28.o1.tc Method TBLASTX:Cress
 Start 96 End 1570
 GI none Score 114
 Exons 96..233, 106..234, 124..228, 232..342, 244..330, 256..342,
 494..607, 497..637, 505..603, 512..601, 1505..1570, 1516..1569

Seq. No. 39788 Seq. ID OJ990810_16.0310.C28
 Gene No. 82238 Strand +
 Start 332 End 1570
 Name OJ990810_16.0310.C28.o1.tm Method TBLASTX:Maize
 Start 109 End 1560
 GI none Score 133
 Exons 109..225, 122..208, 123..224, 136..225, 139..264, 219..269,
 222..356, 223..357, 253..333, 488..604, 490..606, 491..604,
 500..604, 506..583, 1504..1560, 1505..1555

Seq. No. 39788 Seq. ID OJ990810_16.0310.C28
 Gene No. 82238 Strand +
 Start 332 End 1570
 Name OJ990810_16.0310.C28.o1.ts Method TBLASTX:Soybean
 Start 126 End 1570
 GI none Score 119
 Exons 126..233, 127..234, 136..237, 231..311, 232..342, 253..345,
 265..330, 503..601, 506..601, 518..601, 1505..1570

Seq. No. 39788 Seq. ID OJ990810_16.0310.C28
 Gene No. 82238 Strand +
 Start 332 End 1570
 Name OJ990810_16.0310.C28.o1.gp Method AAT/GAP
 Start 332 End 1570
 GI none Score 309
 Exons 332..355, 495..604, 1502..1570

Seq. No. 39789 Seq. ID OJ990810_16.0310.C29
 Gene No. 82239 Strand -
 Start 91 End 782
 Name OJ990810_16.0310.C29.o1.tc Method TBLASTX:Cress
 Start 2 End 460
 GI none Score 60

Exons 2..142, 173..460, 303..455

Seq. No.	39789	Seq. ID	OJ990810_16.0310.C29
Gene No.	82239	Strand	-
Start	91	End	782
Name	OJ990810_16.0310.C29.o2.tm	Method	TBLASTX:Maize
Start	2	End	262
GI	none	Score	128
Exons	2..178, 5..166, 75..173, 186..254, 188..262, 190..261, 194..262		

Seq. No.	39789	Seq. ID	OJ990810_16.0310.C29
Gene No.	82239	Strand	-
Start	91	End	782
Name	OJ990810_16.0310.C29.o1.ts	Method	TBLASTX:Soybean
Start	2	End	775
GI	none	Score	92
Exons	2..151, 231..428, 233..445, 563..703, 713..775		

Seq. No.	39789	Seq. ID	OJ990810_16.0310.C29
Gene No.	82239	Strand	-
Start	91	End	782
Name	OJ990810_16.0310.C29.o1.gp	Method	AAT/GAP
Start	91	End	552
GI	LIB3477-001-P1-K1-C3	Score	876
Exons	91..552		
GI Descrip.	'4835235/emb CAB42913.1 1.0e-18 (AL049862) putative protein [Arabidopsis thaliana]'		

Seq. No.	39789	Seq. ID	OJ990810_16.0310.C29
Gene No.	82239	Strand	-
Start	91	End	782
Name	OJ990810_16.0310.C29.o1.tm	Method	TBLASTX:Maize
Start	377	End	782
GI	none	Score	71
Exons	377..499, 378..455, 540..782, 563..781		

Seq. No.	39790	Seq. ID	OJ990810_16.0310.C32
Gene No.	82240	Strand	+
Start	1557	End	1881
Name	OJ990810_16.0310.C32.o1.gp	Method	AAT/GAP
Start	1557	End	1881
GI	none	Score	614
Exons	1557..1881		

Seq. No.	39791	Seq. ID	OJ990810_16.0310.C35
Gene No.	82241	Strand	+
Start	2827	End	3343
Name	OJ990810_16.0310.C35.o1.tw	Method	TBLASTX:Wheat
Start	3	End	290
GI	none	Score	82
Exons	3..236, 3..290, 109..285		

Seq. No.	39791	Seq. ID	OJ990810_16.0310.C35
Gene No.	82241	Strand	+
Start	2827	End	3343
Name	OJ990810_16.0310.C35.o1.gp	Method	AAT/GAP
Start	2827	End	3343

GI	uC-osflM202048c12b1	Score	833
Exons	2827..3343		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o3.tm	Method	TBLASTX:Maize
Start	286	End	532
GI	none	Score	181
Exons	286..327, 320..532		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o3.tw	Method	TBLASTX:Wheat
Start	341	End	716
GI	none	Score	53
Exons	341..682, 534..581, 557..679, 600..698, 672..716		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o1.tm	Method	TBLASTX:Maize
Start	536	End	1163
GI	none	Score	72
Exons	536..682, 666..1004, 702..890, 703..1005, 1000..1155, 1002..1163, 1009..1155, 1011..1157		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o1.tw	Method	TBLASTX:Wheat
Start	717	End	1343
GI	none	Score	368
Exons	717..1343, 718..1341		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o2.tm	Method	TBLASTX:Maize
Start	1212	End	1503
GI	none	Score	281
Exons	1212..1502, 1216..1503		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689
Name	OJ990810_16.0310.C36.o1.ts	Method	TBLASTX:Soybean
Start	1302	End	1562
GI	none	Score	85
Exons	1302..1538, 1302..1562, 1303..1560		

Seq. No.	39792	Seq. ID	OJ990810_16.0310.C36
Gene No.	82242	Strand	
Start	286	End	1689

Name	OJ990810_16.0310.C36.o2.tw	Method	TBLASTX:Wheat
Start	1350	End	1689
GI	none	Score	279
Exons	1350..1688, 1351..1689		
Seq. No.	39793	Seq. ID	OJ990810_16.0310.C38
Gene No.	82243	Strand	+
Start	1161	End	1420
Name	OJ990810_16.0310.C38.o1.gp	Method	AAT/GAP
Start	1161	End	1420
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	1161..1420		
GI Descrip.	'287403/dbj D10838 RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		
Seq. No.	39794	Seq. ID	OJ990810_16.0310.C41
Gene No.	82244	Strand	-
Start	993	End	1374
Name	OJ990810_16.0310.C41.o1.gp	Method	AAT/GAP
Start	993	End	1374
GI	uC-osflcyp033a04b1	Score	643
Exons	993..1374		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	39795	Seq. ID	OJ990810_16.0310.C42
Gene No.	82245	Strand	
Start	507	End	955
Name	OJ990810_16.0310.C42.o1.tm	Method	TBLASTX:Maize
Start	507	End	838
GI	none	Score	323
Exons	507..836, 602..838		
Seq. No.	39795	Seq. ID	OJ990810_16.0310.C42
Gene No.	82245	Strand	
Start	507	End	955
Name	OJ990810_16.0310.C42.o1.tw	Method	TBLASTX:Wheat
Start	576	End	955
GI	none	Score	136
Exons	576..770, 603..770, 762..815, 839..955		
Seq. No.	39795	Seq. ID	OJ990810_16.0310.C42
Gene No.	82246	Strand	
Start	884	End	1126
Name	OJ990810_16.0310.C42.o2.tm	Method	TBLASTX:Maize
Start	884	End	1126
GI	none	Score	197
Exons	884..1126, 889..987, 1066..1125		
Seq. No.	39796	Seq. ID	OJ990810_16.0310.C47
Gene No.	82247	Strand	
Start	127	End	711
Name	OJ990810_16.0310.C47.o1.ts	Method	TBLASTX:Soybean
Start	127	End	498
GI	none	Score	174
Exons	127..315, 135..314, 170..328, 387..497, 388..498		

Seq. No.	39796	Seq. ID	OJ990810_16.0310.C47
Gene No.	82247	Strand	
Start	127	End	711
Name	OJ990810_16.0310.C47.o1.tc	Method	TBLASTX:Cress
Start	135	End	711
GI	none	Score	112
Exons	135..314, 150..314, 151..348, 151..327, 387..497, 388..498, 497..520, 637..711		

Seq. No.	39796	Seq. ID	OJ990810_16.0310.C47
Gene No.	82247	Strand	
Start	127	End	711
Name	OJ990810_16.0310.C47.o2.tm	Method	TBLASTX:Maize
Start	156	End	498
GI	none	Score	123
Exons	156..314, 160..351, 387..497, 388..498		

Seq. No.	39796	Seq. ID	OJ990810_16.0310.C47
Gene No.	82248	Strand	
Start	635	End	892
Name	OJ990810_16.0310.C47.o1.tm	Method	TBLASTX:Maize
Start	635	End	892
GI	none	Score	234
Exons	635..805, 637..816, 639..824, 640..810, 791..892, 806..892		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o1.tm	Method	TBLASTX:Maize
Start	136	End	3037
GI	none	Score	140
Exons	136..198, 137..199, 2021..2080, 2028..2105, 2029..2094, 2204..2284, 2204..2290, 2208..2291, 2380..2508, 2381..2512, 2382..2486, 2448..2612, 2517..2564, 2553..2636, 2564..2641, 2566..2637, 2631..2696, 2632..2727, 2635..2742, 2748..2885, 2753..2878, 2799..2885, 2903..3037		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o2.tm	Method	TBLASTX:Maize
Start	3577	End	5903
GI	none	Score	62
Exons	3577..3669, 3578..3685, 3685..3756, 4850..5125, 4913..5098, 5183..5239, 5264..5425, 5265..5375, 5376..5405, 5471..5566, 5519..5566, 5756..5902, 5757..5903		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o1.ts	Method	TBLASTX:Soybean
Start	4850	End	5566
GI	none	Score	68
Exons	4850..5125, 4851..4997, 5091..5117, 5183..5257, 5264..5425, 5265..5369, 5471..5566		

Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
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Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o1.tc	Method	TBLASTX:Cress
Start	4868	End	5242
GI	none	Score	66
Exons	4868..5125, 5183..5242		
Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o2.tw	Method	TBLASTX:Wheat
Start	4952	End	5239
GI	none	Score	70
Exons	4952..5113, 5183..5239		
Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o3.tw	Method	TBLASTX:Wheat
Start	5276	End	5518
GI	none	Score	85
Exons	5276..5425, 5277..5426, 5468..5518		
Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o3.tm	Method	TBLASTX:Maize
Start	6372	End	6619
GI	none	Score	226
Exons	6372..6479, 6455..6619, 6456..6602		
Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o1.tw	Method	TBLASTX:Wheat
Start	6452	End	6619
GI	none	Score	210
Exons	6452..6619, 6453..6605		
Seq. No.	39797	Seq. ID	OJ990810_16.0310.C49
Gene No.	82249	Strand	+
Start	6635	End	7069
Name	OJ990810_16.0310.C49.o3.gp	Method	AAT/GAP
Start	6635	End	7069
GI	none	Score	753
Exons	6635..7069		
Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82250	Strand	+
Start	6380	End	15006
Name	OJ990810_16.0310.C50.o1.tm	Method	TBLASTX:Maize
Start	1587	End	15006
GI	none	Score	92
Exons	1587..1748, 1815..2051, 1819..1992, 2358..2453, 2469..2507, 4554..4634, 4647..4808, 4651..4806, 4884..4940, 4888..4935, 4953..5063, 4987..5064, 5460..5588, 9244..9495, 9365..9544, 9535..9735, 9620..9715, 10126..10245, 11704..11796,		

11833..11907, 11992..12060, 12145..12243, 12415..12492,
14137..14202, 14224..14331, 14332..14505, 14336..14461,
14572..14628, 14854..15006

Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82250	Strand	+
Start	6380	End	15006
Name	OJ990810_16.0310.C50.o1.ts	Method	TBLASTX:Soybean
Start	1587	End	14628
GI	none	Score	92
Exons	1587..1748, 1815..2051, 1894..1992, 4554..4634, 4618..4806, 4647..4808, 4884..4940, 4941..5072, 4987..5070, 9317..9364, 9364..9495, 9365..9544, 9535..9735, 9620..9712, 11704..11796, 11845..11907, 11992..12102, 12139..12237, 13927..14202, 13940..14194, 14224..14331, 14314..14505, 14330..14452, 14572..14628		

Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82250	Strand	+
Start	6380	End	15006
Name	OJ990810_16.0310.C50.o1.tc	Method	TBLASTX:Cress
Start	1590	End	14415
GI	none	Score	71
Exons	1590..1745, 1815..1844, 1917..1964, 4578..4805, 4884..4913, 4953..5039, 9322..9519, 9535..9579, 9649..9699, 11704..11796, 14035..14202, 14359..14415		

Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82250	Strand	+
Start	6380	End	15006
Name	OJ990810_16.0310.C50.o1.tw	Method	TBLASTX:Wheat
Start	1590	End	14202
GI	none	Score	78
Exons	1590..1745, 1815..1871, 4566..4805, 4884..4940, 9322..9504, 9535..9603, 11704..11862, 11839..11907, 14035..14202		

Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82250	Strand	+
Start	6380	End	15006
Name	OJ990810_16.0310.C50.o1.gp	Method	AAT/GAP
Start	6380	End	6982
GI	none	Score	607
Exons	6380..6615, 6698..6818, 6910..6982		

Seq. No.	39798	Seq. ID	OJ990810_16.0310.C50
Gene No.	82251	Strand	
Start	17742	End	17959
Name	OJ990810_16.0310.C50.o2.tm	Method	TBLASTX:Maize
Start	17742	End	17959
GI	none	Score	53
Exons	17742..17786, 17758..17952, 17789..17959		

Seq. No.	39799	Seq. ID	OJ990810_16.0310.C53
Gene No.	82252	Strand	-
Start	4332	End	4636
Name	OJ990810_16.0310.C53.o1.tm	Method	TBLASTX:Maize
Start	279	End	1040

GI	none	Score	213
Exons	279..503, 279..500, 281..511, 281..505, 915..1025, 959..1024, 969..1040		

Seq. No.	39799	Seq. ID	OJ990810_16.0310.C53
Gene No.	82252	Strand	-
Start	4332	End	4636
Name	OJ990810_16.0310.C53.o1.tw	Method	TBLASTX:Wheat
Start	1444	End	1647
GI	none	Score	85
Exons	1444..1491, 1444..1491, 1445..1495, 1471..1647, 1493..1645		

Seq. No.	39799	Seq. ID	OJ990810_16.0310.C53
Gene No.	82252	Strand	-
Start	4332	End	4636
Name	OJ990810_16.0310.C53.o2.tm	Method	TBLASTX:Maize
Start	1445	End	1662
GI	none	Score	147
Exons	1445..1492, 1495..1662, 1499..1651, 1522..1659		

Seq. No.	39799	Seq. ID	OJ990810_16.0310.C53
Gene No.	82252	Strand	-
Start	4332	End	4636
Name	OJ990810_16.0310.C53.o1.gp	Method	AAT/GAP
Start	4332	End	4636
GI	none	Score	506
Exons	4332..4636		

Seq. No.	39799	Seq. ID	OJ990810_16.0310.C53
Gene No.	82253	Strand	-
Start	5940	End	6267
Name	OJ990810_16.0310.C53.o1.ts	Method	TBLASTX:Soybean
Start	5940	End	6267
GI	none	Score	66
Exons	5940..6044, 5959..6051, 6121..6267, 6140..6256, 6148..6258		

Seq. No.	39800	Seq. ID	OJ990810_16.0310.C58
Gene No.	82254	Strand	-
Start	219	End	719
Name	OJ990810_16.0310.C58.o1.tm	Method	TBLASTX:Maize
Start	217	End	643
GI	none	Score	115
Exons	217..285, 218..289, 219..299, 381..503, 394..501, 491..643, 492..614		

Seq. No.	39800	Seq. ID	OJ990810_16.0310.C58
Gene No.	82254	Strand	-
Start	219	End	719
Name	OJ990810_16.0310.C58.o1.tc	Method	TBLASTX:Cress
Start	218	End	691
GI	none	Score	93
Exons	218..331, 219..332, 384..503, 391..501, 465..614, 491..691		

Seq. No.	39800	Seq. ID	OJ990810_16.0310.C58
Gene No.	82254	Strand	-
Start	219	End	719
Name	OJ990810_16.0310.C58.o1.gp	Method	AAT/GAP

Start	219	End	719
GI	738_1.R1084	Score	773
Exons	219..289, 381..719		
GI Descrip.	'730580/sp P41095 RLA0_ORYSA 1.0e-147 60S ACIDIC RIBOSOMAL PROTEIN P0 >gi_455401_dbj_BAA04668_ (D21130) acidic ribosomal protein P0 [Oryza sativa]'		

Seq. No.	39800	Seq. ID	OJ990810_16.0310.C58
Gene No.	82254	Strand	-
Start	219	End	719
Name	OJ990810_16.0310.C58.ol.ts	Method	TBLASTX:Soybean
Start	381	End	643
GI	none	Score	98
Exons	381..503, 391..501, 459..503, 491..589, 495..572, 593..643		

Seq. No.	39800	Seq. ID	OJ990810_16.0310.C58
Gene No.	82254	Strand	-
Start	219	End	719
Name	OJ990810_16.0310.C58.ol.tw	Method	TBLASTX:Wheat
Start	381	End	643
GI	none	Score	137
Exons	381..503, 394..501, 456..503, 491..643, 495..614, 519..587		

Seq. No.	39801	Seq. ID	OJ990810_16.0310.C59
Gene No.	82255	Strand	-
Start	1	End	394
Name	OJ990810_16.0310.C59.ol.gp	Method	AAT/GAP
Start	1	End	394
GI	67792_1.R1084	Score	733
Exons	1..394		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39801	Seq. ID	OJ990810_16.0310.C59
Gene No.	82256	Strand	-
Start	361	End	781
Name	OJ990810_16.0310.C59.ol.ts	Method	TBLASTX:Soybean
Start	361	End	762
GI	none	Score	99
Exons	361..504, 544..759, 590..760, 643..762		

Seq. No.	39801	Seq. ID	OJ990810_16.0310.C59
Gene No.	82256	Strand	-
Start	361	End	781
Name	OJ990810_16.0310.C59.ol.tm	Method	TBLASTX:Maize
Start	364	End	781
GI	none	Score	49
Exons	364..507, 369..428, 397..498, 410..508, 553..759, 554..760, 637..762, 662..781		

Seq. No.	39801	Seq. ID	OJ990810_16.0310.C59
Gene No.	82256	Strand	-
Start	361	End	781
Name	OJ990810_16.0310.C59.ol.tc	Method	TBLASTX:Cress
Start	391	End	744
GI	none	Score	61
Exons	391..513, 571..744, 575..697		

Seq. No.	39802	Seq. ID	OJ990810_16.0310.C63
Gene No.	82257	Strand	
Start	1	End	743
Name	OJ990810_16.0310.C63.o3.tw	Method	TBLASTX:Wheat
Start	1	End	125
GI	none	Score	102
Exons	1..117, 2..124, 3..125		

Seq. No.	39802	Seq. ID	OJ990810_16.0310.C63
Gene No.	82257	Strand	
Start	1	End	743
Name	OJ990810_16.0310.C63.o1.tm	Method	TBLASTX:Maize
Start	3	End	473
GI	none	Score	173
Exons	3..473, 52..438		

Seq. No.	39802	Seq. ID	OJ990810_16.0310.C63
Gene No.	82257	Strand	
Start	1	End	743
Name	OJ990810_16.0310.C63.o1.tw	Method	TBLASTX:Wheat
Start	126	End	500
GI	none	Score	318
Exons	126..485, 127..480, 129..500, 130..492		

Seq. No.	39802	Seq. ID	OJ990810_16.0310.C63
Gene No.	82257	Strand	
Start	1	End	743
Name	OJ990810_16.0310.C63.o1.ts	Method	TBLASTX:Soybean
Start	240	End	635
GI	none	Score	164
Exons	240..485, 250..480, 297..494, 454..597, 455..598, 546..599, 603..635, 603..635		

Seq. No.	39802	Seq. ID	OJ990810_16.0310.C63
Gene No.	82257	Strand	
Start	1	End	743
Name	OJ990810_16.0310.C63.o2.tw	Method	TBLASTX:Wheat
Start	518	End	743
GI	none	Score	146
Exons	518..679, 522..674, 549..698, 553..690, 702..743		

Seq. No.	39803	Seq. ID	OJ990730_06.0310.C1
Gene No.	82258	Strand	+
Start	1	End	4473
Name	OJ990730_06.0310.C1.o1.np	Method	AAT/NAP
Start	1	End	2554
GI	5441880	Score	686
Exons	1..285, 835..973, 1082..1580, 1679..2554		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39803	Seq. ID	OJ990730_06.0310.C1
Gene No.	82258	Strand	+
Start	1	End	4473
Name	OJ990730_06.0310.C1.o2.np	Method	AAT/NAP

Start 1 End 3562
 GI 7228438 Score 364
 Exons 1..50, 1279..1549, 1640..1790, 3141..3562
 GI Descrip. (AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]

Seq. No. 39803 Seq. ID OJ990730_06.0310.C1
 Gene No. 82258 Strand +
 Start 1 End 4473
 Name OJ990730_06.0310.C1.o1.gs Method GENSCAN
 Start 90 End 4473
 GI none Score .46
 Exons 90..405, 820..936, 1049..1138, 1227..1297, 1460..1549, 1640..1834, 1857..1895, 2034..2113, 2162..2169, 2208..2506, 3242..3562, 4339..4473

Seq. No. 39803 Seq. ID OJ990730_06.0310.C1
 Gene No. 82258 Strand +
 Start 1 End 4473
 Name OJ990730_06.0310.C1.o1.gp Method AAT/GAP
 Start 1088 End 2224
 GI LIB3433-020-P1-K1-A6 Score 750
 Exons 1088..1130, 1840..2224
 GI Descrip. '5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'

Seq. No. 39803 Seq. ID OJ990730_06.0310.C1
 Gene No. 82259 Strand +
 Start 4662 End 8056
 Name OJ990730_06.0310.C1.o2.gs Method GENSCAN
 Start 4662 End 7822
 GI none Score .69
 Exons 4662..4820, 4914..4966, 5075..5141, 5241..5296, 5599..5651, 5796..5914, 6290..6378, 6987..7077, 7172..7267, 7361..7486, 7565..7822

Seq. No. 39803 Seq. ID OJ990730_06.0310.C1
 Gene No. 82259 Strand +
 Start 4662 End 8056
 Name OJ990730_06.0310.C1.o3.np Method AAT/NAP
 Start 4662 End 8056
 GI 6560748 Score 375
 Exons 4662..4880, 5073..5141, 5835..5998, 6290..6378, 6987..7131, 7172..7261, 7361..7486, 7565..7822, 8027..8056
 GI Descrip. (AC010155) F3M18.1 [Arabidopsis thaliana]
 gi|6691212|gb|AAF24550.1|AC007508_13 (AC007508) F1K23.17 [Arabidopsis thaliana]

Seq. No. 39803 Seq. ID OJ990730_06.0310.C1
 Gene No. 82259 Strand +
 Start 4662 End 8056
 Name OJ990730_06.0310.C1.o1.tm Method TBLASTX:Maize
 Start 6290 End 7588
 GI none Score 112
 Exons 6290..6388, 6293..6385, 6967..7077, 6984..7076, 6985..7077, 7165..7263, 7169..7267, 7169..7264, 7352..7486, 7358..7504,

7363..7488, 7562..7588

Seq. No.	39803	Seq. ID	OJ990730_06.0310.C1
Gene No.	82259	Strand	+
Start	4662	End	8056
Name	OJ990730_06.0310.C1.o1.ts	Method	TBLASTX:Soybean
Start	7193	End	7824
GI	none	Score	71
Exons	7193..7270, 7360..7497, 7364..7498, 7591..7821, 7592..7822, 7723..7824		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82260	Strand	+
Start	1035	End	3056
Name	OJ990730_06.0310.C2.o1.gs	Method	GENSCAN
Start	1035	End	3056
GI	none	Score	.89
Exons	1035..1251, 1294..1523, 2175..2255, 2478..2642, 2685..2834, 2952..3056		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82260	Strand	+
Start	1035	End	3056
Name	OJ990730_06.0310.C2.o1.gp	Method	AAT/GAP
Start	1044	End	2509
GI	LIB3432-046-P1-K1-B4	Score	849
Exons	1044..1200, 1294..1523, 2175..2255, 2478..2509		
GI Descrip.	'4646202/gb AAD26875.1 AC007230_9 5.0e-39 (AC007230) ESTs gb_H76289 and gb_H76537 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82260	Strand	+
Start	1035	End	3056
Name	OJ990730_06.0310.C2.o1.np	Method	AAT/NAP
Start	1311	End	2846
GI	4646202	Score	611
Exons	1311..1523, 2175..2255, 2478..2846		
GI Descrip.	(AC007230) ESTs gb H76289 and gb H76537 come from this gene. [Arabidopsis thaliana]		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	973	End	1493
GI	none	Score	79
Exons	973..1038, 984..1037, 1167..1208, 1326..1448, 1341..1493		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o1.tc	Method	TBLASTX:Cress
Start	1350	End	2255
GI	none	Score	243
Exons	1350..1526, 1409..1525, 2169..2255, 2183..2254		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	1350	End	3158
GI	none	Score	232
Exons	1350..1523, 1409..1525, 2169..2255, 2183..2254, 2477..2545, 2478..2552, 2562..2789, 2570..2752, 2664..2834, 2795..2833, 2955..3056, 2984..3055, 3135..3158		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	2189	End	2983
GI	none	Score	111
Exons	2189..2254, 2190..2255, 2191..2259, 2456..2764, 2474..2749, 2478..2768, 2748..2834, 2795..2830, 2937..2981, 2945..2983		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o2.np	Method	AAT/NAP
Start	3358	End	4576
GI	4678202	Score	52
Exons	3358..3393, 4424..4576		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39804	Seq. ID	OJ990730_06.0310.C2
Gene No.	82261	Strand	-
Start	3358	End	5782
Name	OJ990730_06.0310.C2.o2.gs	Method	GENSCAN
Start	4052	End	5782
GI	none	Score	.46
Exons	4052..4587, 5653..5782		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82262	Strand	+
Start	6408	End	12574
Name	OJ990730_06.0310.C3.o2.gs	Method	GENSCAN
Start	6408	End	12277
GI	none	Score	.62
Exons	6408..6510, 6655..6698, 7421..7937, 8252..8328, 9515..9615, 10318..10466, 11369..11726, 11922..12021, 12143..12277		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82262	Strand	+
Start	6408	End	12574
Name	OJ990730_06.0310.C3.o1.gp	Method	AAT/GAP
Start	11262	End	12574
GI	804_1.R1084	Score	1862
Exons	11262..11726, 11922..12021, 12143..12574		
GI Descrip.	'2570517 7.0e-47 (AF022741) thioredoxin F isoform [Oryza sativa]'		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82262	Strand	+

Start	6408	End	12574
Name	OJ990730_06.0310.C3.o1.np	Method	AAT/NAP
Start	11398	End	12192
GI	7489485	Score	688
Exons	11398..11726, 11922..12021, 12143..12192		
GI Descrip.	hypothetical protein - rice gi 2570517 gb AAB82144.1 (AF022741) thioredoxin F isoform [Oryza sativa]		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82263	Strand	+
Start	17269	End	19198
Name	OJ990730_06.0310.C3.o4.gs	Method	GENSCAN
Start	17269	End	19198
GI	none	Score	.43
Exons	17269..17562, 18082..18599, 18628..19198		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82263	Strand	+
Start	17269	End	19198
Name	OJ990730_06.0310.C3.o2.gp	Method	AAT/GAP
Start	18224	End	18456
GI	99156_1.R1084	Score	439
Exons	18224..18456		
GI Descrip.	'2213590.7.0e-14 (AC000348) T7N9.10 [Arabidopsis thaliana]'		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82264	Strand	+
Start	24125	End	25310
Name	OJ990730_06.0310.C3.o6.gs	Method	GENSCAN
Start	24125	End	25310
GI	none	Score	.56
Exons	24125..24233, 24886..24984, 25135..25310		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82265	Strand	+
Start	26074	End	31640
Name	OJ990730_06.0310.C3.o7.gs	Method	GENSCAN
Start	26074	End	31640
GI	none	Score	.65
Exons	26074..26239, 26290..26317, 26419..26515, 26790..27041, 27227..27356, 28842..28961, 29493..29940, 30743..31640		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82265	Strand	+
Start	26074	End	31640
Name	OJ990730_06.0310.C3.o4.np	Method	AAT/NAP
Start	27856	End	31619
GI	6358806	Score	1269
Exons	27856..27961, 28766..29126, 29360..29940, 30743..31619		
GI Descrip.	(AC010675) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82266	Strand	-
Start	11556	End	16287
Name	OJ990730_06.0310.C3.o2.np	Method	AAT/NAP
Start	11556	End	16287
GI	7485181	Score	668

Exons 11556..11585, 13655..14300, 14379..14859, 16262..16287
 GI Descrip. hypothetical protein - Arabidopsis thaliana
 gi|2245038|emb|CAB10457.1| (Z97342) hypothetical protein
 [Arabidopsis thaliana] gi|7268435|emb|CAB80955.1| (AL161545)
 hypothetical protein [Arabidopsis thaliana]

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82266	Strand	-
Start	11556	End	16287
Name	OJ990730_06.0310.C3.o3.gs	Method	GENSCAN
Start	13636	End	14718
GI	none	Score	.48
Exons	13636..14718		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82267	Strand	-
Start	28758	End	29103
Name	OJ990730_06.0310.C3.o3.gp	Method	AAT/GAP
Start	28758	End	29103
GI	568796	Score	628
Exons	28758..29103		
GI Descrip.	2213590 7.0e-14 (AC000348) T7N9.10 [Arabidopsis thaliana]		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82268	Strand	-
Start	32298	End	32631
Name	OJ990730_06.0310.C3.o8.gs	Method	GENSCAN
Start	32298	End	32623
GI	none	Score	.97
Exons	32298..32423, 32525..32623		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82268	Strand	-
Start	32298	End	32631
Name	OJ990730_06.0310.C3.o5.np	Method	AAT/NAP
Start	32310	End	32631
GI	6648212	Score	166
Exons	32310..32423, 32525..32631		
GI Descrip.	(AC013483) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o4.tm	Method	TBLASTX:Maize
Start	11512	End	12277
GI	none	Score	73
Exons	11512..11586, 11523..11585, 11653..11727, 11655..11729, 11904..11972, 11909..12019, 11920..12021, 11923..12021, 12134..12277, 12148..12276		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o4.tc	Method	TBLASTX:Cress
Start	11653	End	12274
GI	none	Score	121
Exons	11653..11727, 11655..11729, 11923..12021, 12134..12274,		

12146..12256, 12148..12270

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o4.ts	Method	TBLASTX:Soybean
Start	11653	End	12277
GI	none	Score	125
Exons	11653..11727, 11655..11729, 11922..11972, 11923..12021, 11941..12003, 12134..12277, 12145..12273		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o2.ts	Method	TBLASTX:Soybean
Start	13666	End	34365
GI	none	Score	136
Exons	13666..14112, 13679..14098, 33910..34365, 34049..34132, 34175..34342		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o2.tm	Method	TBLASTX:Maize
Start	13678	End	35610
GI	none	Score	162
Exons	13678..14424, 13820..14116, 14134..14520, 14275..14439, 14368..14601, 14404..14598, 14425..14598, 14521..14691, 14525..14704, 14578..14694, 14674..14877, 14716..14877, 14764..14877, 14764..14862, 33914..34126, 33922..34839, 34157..34324, 34333..34650, 34400..34645, 34654..34965, 34663..34965, 34664..35059, 34730..34960, 34882..35055, 34900..35238, 34909..35610, 35284..35574		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o5.tc	Method	TBLASTX:Cress
Start	13681	End	34131
GI	none	Score	137
Exons	13681..13995, 13682..13987, 13723..13998, 33916..34131		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o1.tw	Method	TBLASTX:Wheat
Start	13990	End	35610
GI	none	Score	52
Exons	13990..14466, 14228..14296, 14344..14439, 14377..14598, 14450..14572, 14581..14781, 34222..34650, 34223..34675, 34276..34401, 34672..34833, 34873..34992, 34915..35259, 35284..35610, 35294..35590		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o2.tc	Method	TBLASTX:Cress

Start	14011	End	35694
GI	none	Score	70
Exons	14011..14142, 14012..14122, 14122..14691, 14266..14553, 14359..14436, 14443..14784, 14444..14578, 14611..14877, 14620..14691, 14668..14874, 34164..34208, 34243..34368, 34357..34641, 34369..34530, 34385..34678, 34430..34528, 34615..35085, 34672..34800, 34675..34803, 34675..34956, 34960..35574, 34978..35259, 35206..35694, 35284..35445		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o6.ts	Method	TBLASTX:Soybean
Start	14191	End	35700
GI	none	Score	74
Exons	14191..14574, 14401..14544, 14447..14572, 14494..14616, 14530..14661, 14531..14662, 14623..14760, 34369..34506, 34673..34810, 34675..34812, 34732..35109, 35035..35259, 35281..35421, 35341..35700		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o3.tm	Method	TBLASTX:Maize
Start	18722	End	19048
GI	none	Score	82
Exons	18722..18793, 18723..18794, 18788..19048, 18789..19022		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o3.ts	Method	TBLASTX:Soybean
Start	18723	End	19048
GI	none	Score	186
Exons	18723..18938, 18725..19048, 18993..19022		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o3.tc	Method	TBLASTX:Cress
Start	18725	End	19045
GI	none	Score	138
Exons	18725..19045, 18747..18941		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o1.tc	Method	TBLASTX:Cress
Start	28838	End	31553
GI	none	Score	117
Exons	28838..29035, 29432..29845, 29689..29844, 30759..30983, 30969..31184, 31028..31162, 31185..31553, 31193..31471		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o7.ts	Method	TBLASTX:Soybean

Start	28838	End	29584
GI	none	Score	210
Exons	28838..29059, 28843..28896, 28933..29055, 29360..29584, 29494..29583		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	28838	End	31568
GI	none	Score	182
Exons	28838..29059, 28846..29130, 29432..29845, 29464..29556, 29591..29722, 29605..29826, 29879..29941, 30809..30919, 30810..30962, 30968..31162, 30969..31190, 31179..31406, 31193..31390, 31407..31568		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o5.ts	Method	TBLASTX:Soybean
Start	29585	End	30827
GI	none	Score	248
Exons	29585..29845, 29605..29844, 30741..30827		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	30828	End	31496
GI	none	Score	108
Exons	30828..30950, 30963..31193, 31013..31186, 31190..31465, 31194..31496		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o2.tw	Method	TBLASTX:Wheat
Start	31215	End	31544
GI	none	Score	227
Exons	31215..31544, 31229..31471		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o6.np	Method	AAT/NAP
Start	32532	End	35727
GI	7363286	Score	703
Exons	32532..32576, 33890..35727		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F4I10; vegetative storage protein. (AL035525) [Oryza sativa]		

Seq. No.	39805	Seq. ID	OJ990730_06.0310.C3
Gene No.	82269	Strand	-
Start	32532	End	35727
Name	OJ990730_06.0310.C3.o9.gs	Method	GENSCAN
Start	33889	End	35682

GI none
Exons 33889..35682

Score .57

Seq. No. 39806
Gene No. 82270
Start 187
Name OJ990730_06.0310.C4.o1.gs
Start 187
GI none
Exons 187..223, 373..494

Seq. ID OJ990730_06.0310.C4
Strand +
End 494
Method GENSCAN
End 494
Score .58

Seq. No. 39806
Gene No. 82271
Start 2139
Name OJ990730_06.0310.C4.o1.gp
Start 2139
GI 45653_1.R1084
Exons 2139..2426
GI Descrip. '2781363 2.0e-20 (AC003113) F2401.19 [Arabidopsis thaliana]'

Seq. ID OJ990730_06.0310.C4
Strand +
End 2426
Method AAT/GAP
End 2426
Score 576

Seq. No. 39806
Gene No. 82272
Start 4955
Name OJ990730_06.0310.C4.o3.gs
Start 4955
GI none
Exons 4955..5107, 5471..5675

Seq. ID OJ990730_06.0310.C4
Strand +
End 5927
Method GENSCAN
End 5675
Score .77

Seq. No. 39806
Gene No. 82272
Start 4955
Name OJ990730_06.0310.C4.o3.np
Start 4961
GI 4836924
Exons 4961..5927
GI Descrip. (AC007153) Hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990730_06.0310.C4
Strand +
End 5927
Method AAT/NAP
End 5927
Score 367

Seq. No. 39806
Gene No. 82273
Start 2379
Name OJ990730_06.0310.C4.o1.tm
Start 2250
GI none
Exons 2250..2282, 2370..2462, 2371..2460, 2372..2461, 2437..2478, 2537..2590, 2548..2682, 2549..2668, 2550..2669, 2706..2747, 3004..3243, 3009..3242, 3115..3243, 3355..3426, 3360..3428, 3514..3582, 3516..3665

Seq. ID OJ990730_06.0310.C4
Strand -
End 3763
Method TBLASTX:Maize
End 3665
Score 115

Seq. No. 39806
Gene No. 82273
Start 2379
Name OJ990730_06.0310.C4.o2.gs
Start 2379
GI none
Exons 2379..2459, 2506..2672, 3023..3241, 3359..3425, 3516..3677

Seq. ID OJ990730_06.0310.C4
Strand -
End 3763
Method GENSCAN
End 3677
Score .96

Seq. No. 39806

Seq. ID OJ990730_06.0310.C4

Gene No.	82273	Strand	-
Start	2379	End	3763
Name	OJ990730_06.0310.C4.o1.np	Method	AAT/NAP
Start	2385	End	3752
GI	6648200	Score	508
Exons	2385..2459, 2548..2672, 3023..3241, 3359..3425, 3516..3752		
GI Descrip.	(AC013483) putative RHO GDP-dissociation inhibitor 1 [Arabidopsis thaliana]		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82273	Strand	-
Start	2379	End	3763
Name	OJ990730_06.0310.C4.o2.tc	Method	TBLASTX:Cress
Start	3016	End	3428
GI	none	Score	101
Exons	3016..3120, 3018..3125, 3142..3243, 3162..3242, 3355..3426, 3360..3428		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82273	Strand	-
Start	2379	End	3763
Name	OJ990730_06.0310.C4.o2.gp	Method	AAT/GAP
Start	3098	End	3763
GI	2427835	Score	824
Exons	3098..3241, 3359..3425, 3516..3763		
GI Descrip.	2781363 2.0e-20 (AC003113) F2401.19 [Arabidopsis thaliana]		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82273	Strand	-
Start	2379	End	3763
Name	OJ990730_06.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	3144	End	3560
GI	none	Score	76
Exons	3144..3245, 3151..3234, 3360..3446, 3361..3426, 3510..3560		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82274	Strand	-
Start	5354	End	5785
Name	OJ990730_06.0310.C4.o1.tc	Method	TBLASTX:Cress
Start	5354	End	5707
GI	none	Score	245
Exons	5354..5707, 5450..5638, 5455..5685		

Seq. No.	39806	Seq. ID	OJ990730_06.0310.C4
Gene No.	82274	Strand	-
Start	5354	End	5785
Name	OJ990730_06.0310.C4.o2.tm	Method	TBLASTX:Maize
Start	5386	End	5785
GI	none	Score	261
Exons	5386..5775, 5387..5785, 5401..5784		

Seq. No.	39807	Seq. ID	OJ990730_06.0310.C5
Gene No.	82275	Strand	-
Start	231	End	975
Name	OJ990730_06.0310.C5.o1.gs	Method	GENSCAN
Start	231	End	975
GI	none	Score	.81

Exons 231..975

Seq. No.	39808	Seq. ID	OJ990730_06.0310.C9
Gene No.	82276	Strand	+
Start	2336	End	3822
Name	OJ990730_06.0310.C9.o1.gs	Method	GENSCAN
Start	2336	End	3822
GI	none	Score	.64
Exons	2336..2562, 3642..3822		

Seq. No.	39808	Seq. ID	OJ990730_06.0310.C9
Gene No.	82277	Strand	+
Start	4871	End	6783
Name	OJ990730_06.0310.C9.o2.gs	Method	GENSCAN
Start	4871	End	6783
GI	none	Score	.48
Exons	4871..4997, 5395..5553, 6635..6783		

Seq. No.	39808	Seq. ID	OJ990730_06.0310.C9
Gene No.	82278	Strand	-
Start	8682	End	11609
Name	OJ990730_06.0310.C9.o3.gs	Method	GENSCAN
Start	8682	End	11356
GI	none	Score	.74
Exons	8682..8784, 8884..8995, 9514..9562, 10958..11356		

Seq. No.	39808	Seq. ID	OJ990730_06.0310.C9
Gene No.	82278	Strand	-
Start	8682	End	11609
Name	OJ990730_06.0310.C9.o1.np	Method	AAT/NAP
Start	10937	End	11609
GI	6997193	Score	588
Exons	10937..11609		
GI Descrip.	(AC022355) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39808	Seq. ID	OJ990730_06.0310.C9
Gene No.	82278	Strand	-
Start	8682	End	11609
Name	OJ990730_06.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	11114	End	11368
GI	none	Score	200
Exons	11114..11275, 11114..11272, 11271..11366, 11273..11368		

Seq. No.	39809	Seq. ID	OJ990730_06.0310.C12
Gene No.	82279	Strand	-
Start	423	End	3917
Name	OJ990730_06.0310.C12.o1.gs	Method	GENSCAN
Start	423	End	3833
GI	none	Score	.86
Exons	423..716, 917..1032, 1152..1198, 1653..1753, 1971..2060, 2256..3833		

Seq. No.	39809	Seq. ID	OJ990730_06.0310.C12
Gene No.	82279	Strand	-
Start	423	End	3917
Name	OJ990730_06.0310.C12.o1.np	Method	AAT/NAP
Start	426	End	3833

GI 629807 Score 3642
 Exons 426..716, 956..1032, 1152..1198, 1653..1753, 1971..2060,
 2256..3833

GI Descrip. VP1 protein - rice

Seq. No.	39809	Seq. ID	OJ990730_06.0310.C12
Gene No.	82279	Strand	-
Start	423	End	3917
Name	OJ990730_06.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	619	End	2061
GI	none	Score	70
Exons	619..687, 694..714, 950..1036, 951..1034, 1136..1201, 1146..1202, 1147..1203, 1147..1203, 1628..1756, 1639..1752, 1652..1798, 1971..2057, 1971..2060, 1972..2061		

Seq. No.	39809	Seq. ID	OJ990730_06.0310.C12
Gene No.	82279	Strand	-
Start	423	End	3917
Name	OJ990730_06.0310.C12.o1.gp	Method	AAT/GAP
Start	1639	End	2406
GI	72020_1.R1084	Score	585
Exons	1639..1753, 1971..2060, 2256..2406		
GI Descrip.	'391884/dbj D16640 RICOSVP1 1.0e-62 Rice DNA for VP1 protein, complete cds'		

Seq. No.	39809	Seq. ID	OJ990730_06.0310.C12
Gene No.	82279	Strand	-
Start	423	End	3917
Name	OJ990730_06.0310.C12.o2.gp	Method	AAT/GAP
Start	3183	End	3506
GI	5607328	Score	628
Exons	3183..3506		
GI Descrip.	586238/sp P37398 VIV.ORYSA 2.0e-51 VIVIPAROUS PROTEIN HOMOLOG >gi_632294_pir_S48899 VP1 protein (OSVP1) - Oryza sativa >gi_391885_dbj_BAA04066_ (D16640) VP1 protein (OSVP1) [Oryza sativa]		

Seq. No.	39809	Seq. ID	OJ990730_06.0310.C12
Gene No.	82279	Strand	-
Start	423	End	3917
Name	OJ990730_06.0310.C12.o3.gp	Method	AAT/GAP
Start	3596	End	3917
GI	5607329	Score	612
Exons	3596..3917		
GI Descrip.	391884/dbj D16640 RICOSVP1 1.0e-62 Rice DNA for VP1 protein, complete cds		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82280	Strand	+
Start	785	End	1064
Name	OJ990730_06.0310.C13.o1.gs	Method	GENSCAN
Start	785	End	1064
GI	none	Score	.47
Exons	785..1064		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82281	Strand	+

Start	1353	End	7928
Name	OJ990730_06.0310.C13.o2.gs	Method	GENSCAN
Start	1353	End	7928
GI	none	Score	.8
Exons	1353..1448, 1812..2433, 2534..3036, 3547..3666, 4907..5017, 5411..5487, 5757..5824, 6145..6258, 6354..6535, 7055..7210, 7812..7928		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82281	Strand	+
Start	1353	End	7928
Name	OJ990730_06.0310.C13.o1.gp	Method	AAT/GAP
Start	3576	End	6261
GI	none	Score	927
Exons	3576..3666, 4117..4182, 4907..5017, 5411..5487, 5757..5824, 6145..6261		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82281	Strand	+
Start	1353	End	7928
Name	OJ990730_06.0310.C13.o2.gp	Method	AAT/GAP
Start	6409	End	7623
GI	LIB3434-010-P1-K1-F8	Score	985
Exons	6409..6535, 6687..6755, 7055..7210, 7419..7623		
GI Descrip.	'2781363 2.0e-20 (AC003113) F2401.19 [Arabidopsis thaliana]'		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82282	Strand	-
Start	8416	End	12950
Name	OJ990730_06.0310.C13.o4.tm	Method	TBLASTX:Maize
Start	5761	End	6548
GI	none	Score	90
Exons	5761..5820, 5763..5819, 6204..6257, 6345..6548, 6349..6534, 6395..6541		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82282	Strand	-
Start	8416	End	12950
Name	OJ990730_06.0310.C13.o2.tm	Method	TBLASTX:Maize
Start	6680	End	7530
GI	none	Score	78
Exons	6680..6757, 6686..6757, 7039..7212, 7049..7213, 7051..7212, 7395..7487, 7417..7527, 7417..7530, 7418..7528		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82282	Strand	-
Start	8416	End	12950
Name	OJ990730_06.0310.C13.o1.tm	Method	TBLASTX:Maize
Start	8399	End	9595
GI	none	Score	43
Exons	8399..8446, 8411..8443, 8424..8549, 8425..8550, 8425..8550, 8426..8551, 8669..8824, 8679..8840, 8703..8810, 9017..9064, 9018..9062, 9134..9256, 9150..9257, 9150..9266, 9151..9267, 9151..9267, 9392..9595, 9397..9585		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82282	Strand	-

Start	8416	End	12950
Name	OJ990730_06.0310.C13.o3.gs	Method	GENSCAN
Start	8416	End	12892
GI	none	Score	.73
Exons	8416..8550, 8678..8809, 9017..9106, 9150..9266, 9391..9571, 10213..10301, 10936..10976, 11279..11397, 12325..12509, 12605..12892		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82282	Strand	-
Start	8416	End	12950
Name	OJ990730_06.0310.C13.o1.np	Method	AAT/NAP
Start	8419	End	12950
GI	7211976	Score	1089
Exons	8419..8550, 8678..8809, 9017..9061, 9150..9266, 9391..9561, 10177..10301, 10936..10995, 11214..11397, 11479..11579, 11857..11922, 12006..12088, 12398..12509, 12908..12950		
GI Descrip.	(AC004809) F13M7.11 [Arabidopsis thaliana]		

Seq. No.	39810	Seq. ID	OJ990730_06.0310.C13
Gene No.	82282	Strand	-
Start	8416	End	12950
Name	OJ990730_06.0310.C13.o3.tm	Method	TBLASTX:Maize
Start	11365	End	12661
GI	none	Score	41
Exons	11365..11391, 11473..11580, 11478..11582, 11478..11582, 11851..11931, 11851..11937, 12006..12086, 12006..12089, 12007..12093, 12360..12533, 12394..12510, 12401..12511, 12602..12661		

Seq. No.	39811	Seq. ID	OJ990730_06.0310.C14
Gene No.	82283	Strand	+
Start	53	End	1253
Name	OJ990730_06.0310.C14.o1.gs	Method	GENSCAN
Start	53	End	1253
GI	none	Score	.63
Exons	53..286, 1176..1253		

Seq. No.	39811	Seq. ID	OJ990730_06.0310.C14
Gene No.	82284	Strand	+
Start	1344	End	1594
Name	OJ990730_06.0310.C14.o1.np	Method	AAT/NAP
Start	1344	End	1594
GI	4581111	Score	44
Exons	1344..1594		
GI Descrip.	(AC005825) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39811	Seq. ID	OJ990730_06.0310.C14
Gene No.	82285	Strand	-
Start	1811	End	2015
Name	OJ990730_06.0310.C14.o2.gs	Method	GENSCAN
Start	1811	End	2015
GI	none	Score	.6
Exons	1811..2015		

Seq. No.	39812	Seq. ID	OJ990730_06.0310.C15
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Gene No.	82286	Strand	-
Start	1	End	1792
Name	OJ990730_06.0310.C15.o1.np	Method	AAT/NAP
Start	1	End	1792
GI	6983857	Score	1233
Exons	1..135, 242..371, 412..880, 1051..1613, 1676..1792		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39812	Seq. ID	OJ990730_06.0310.C15
Gene No.	82286	Strand	-
Start	1	End	1792
Name	OJ990730_06.0310.C15.o1.gs	Method	GENSCAN
Start	233	End	435
GI	none	Score	.82
Exons	233..435		

Seq. No.	39812	Seq. ID	OJ990730_06.0310.C15
Gene No.	82286	Strand	-
Start	1	End	1792
Name	OJ990730_06.0310.C15.o2.gs	Method	GENSCAN
Start	994	End	1479
GI	none	Score	.53
Exons	994..1479		

Seq. No.	39813	Seq. ID	OJ990730_06.0310.C18
Gene No.	82287	Strand	+
Start	370	End	650
Name	OJ990730_06.0310.C18.o1.gp	Method	AAT/GAP
Start	370	End	650
GI	2443_1.R1084	Score	328
Exons	370..481, 564..650		
GI Descrip.	'2911072/emb CAA17534.1 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	39813	Seq. ID	OJ990730_06.0310.C18
Gene No.	82288	Strand	-
Start	672	End	761
Name	OJ990730_06.0310.C18.o1.tw	Method	TBLASTX:Wheat
Start	368	End	652
GI	none	Score	179
Exons	368..493, 373..495, 561..587, 582..641, 586..651, 587..649, 587..652, 588..650		

Seq. No.	39813	Seq. ID	OJ990730_06.0310.C18
Gene No.	82288	Strand	-
Start	672	End	761
Name	OJ990730_06.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	377	End	698
GI	none	Score	155
Exons	377..493, 379..495, 382..498, 561..587, 574..648, 587..694, 588..698		

Seq. No.	39813	Seq. ID	OJ990730_06.0310.C18
Gene No.	82288	Strand	-
Start	672	End	761
Name	OJ990730_06.0310.C18.o1.gs	Method	GENSCAN
Start	672	End	761

GI	none	Score	.54
Exons	672..761		
Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82289	Strand	+
Start	1	End	1925
Name	OJ990730_06.0310.C19.o1.np	Method	AAT/NAP
Start	1	End	1479
GI	7486600	Score	425
Exons	1..22, 851..931, 1000..1224, 1334..1479		
GI Descrip.	hypothetical protein F7J7.90 - Arabidopsis thaliana gi 2911072 emb CAA17534.1 (AL021960) putative protein [Arabidopsis thaliana] gi 7268912 emb CAB79115.1 (AL161554) putative protein [Arabidopsis thaliana]		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82289	Strand	+
Start	1	End	1925
Name	OJ990730_06.0310.C19.o1.gs	Method	GENSCAN
Start	395	End	1656
GI	none	Score	.84
Exons	395..445, 851..931, 1000..1224, 1334..1456, 1540..1656		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82289	Strand	+
Start	1	End	1925
Name	OJ990730_06.0310.C19.o1.gp	Method	AAT/GAP
Start	836	End	1925
GI	2443_1.R1084	Score	1539
Exons	836..931, 1000..1224, 1334..1456, 1540..1925		
GI Descrip.	'2911072/emb CAA17534.1 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82290	Strand	+
Start	6900	End	7188
Name	OJ990730_06.0310.C19.o3.gp	Method	AAT/GAP
Start	6900	End	7188
GI	5039075	Score	547
Exons	6900..7188		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82291	Strand	+
Start	8544	End	11693
Name	OJ990730_06.0310.C19.o3.gs	Method	GENSCAN
Start	8544	End	11693
GI	none	Score	.8
Exons	8544..8560, 8635..8774, 9527..10146, 10338..10481, 10549..10692, 10799..10857, 10928..11693		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82291	Strand	+
Start	8544	End	11693
Name	OJ990730_06.0310.C19.o3.np	Method	AAT/NAP
Start	10080	End	11690
GI	6721561	Score	1020
Exons	10080..10115, 10516..10728, 10799..10857, 10928..11690		

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]
gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82292	Strand	-
Start	2121	End	2549
Name	OJ990730_06.0310.C19.o2.gp	Method	AAT/GAP
Start	2121	End	2549
GI	2800158	Score	715
Exons	2121..2549		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82293	Strand	-
Start	2598	End	7714
Name	OJ990730_06.0310.C19.o2.gs	Method	GENSCAN
Start	2598	End	7183
GI	none	Score	.88
Exons	2598..2681, 2799..2859, 2934..2998, 3098..3379, 3863..3919, 4173..4272, 6557..6681, 6770..7183		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82293	Strand	-
Start	2598	End	7714
Name	OJ990730_06.0310.C19.o2.np	Method	AAT/NAP
Start	2601	End	7714
GI	6453908	Score	1518
Exons	2601..2681, 2799..2859, 2934..2998, 3098..3379, 3458..3532, 3641..3715, 3863..3919, 4173..4246, 4396..4586, 4733..4835, 4930..5000, 5129..5183, 5360..5463, 5548..5670, 6589..6681, 6752..7002, 7503..7714		

GI Descrip. (AC011663) putative ABC transporter [Arabidopsis thaliana]

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o4.tw	Method	TBLASTX:Wheat
Start	745	End	1374
GI	none	Score	128
Exons	745..933, 836..931, 855..938, 970..1227, 993..1226, 1318..1374, 1319..1363		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o1.tm	Method	TBLASTX:Maize
Start	772	End	1825
GI	none	Score	132
Exons	772..933, 836..931, 862..933, 934..1224, 970..1227, 999..1226, 1318..1455, 1334..1480, 1350..1451, 1527..1652, 1535..1663, 1542..1667, 1757..1825		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331

Name	OJ990730_06.0310.C19.o2.ts	Method	TBLASTX:Soybean
Start	859	End	1456
GI	5509682	Score	112
Exons	859..933, 860..931, 970..1044, 999..1223, 999..1226, 1085..1225, 1087..1227, 1318..1449, 1319..1456		
GI Descrip.	2911072/emb_CAA17534_3.0e-40 (AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o5.tm	Method	TBLASTX:Maize
Start	2524	End	3238
GI	none	Score	72
Exons	2524..2646, 2536..2583, 2604..2645, 2652..2687, 2792..2857, 2793..2858, 2797..2862, 2799..2861, 2933..2992, 2933..2998, 3098..3238, 3098..3238		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o1.tc	Method	TBLASTX:Cress
Start	2796	End	3541
GI	none	Score	200
Exons	2796..2861, 3081..3383, 3098..3409, 3184..3384, 3456..3533, 3458..3541		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o1.ts	Method	TBLASTX:Soybean
Start	3117	End	3529
GI	none	Score	189
Exons	3117..3299, 3119..3367, 3119..3382, 3162..3380, 3458..3529		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o3.tm	Method	TBLASTX:Maize
Start	3239	End	3724
GI	none	Score	142
Exons	3239..3382, 3240..3383, 3241..3393, 3458..3535, 3458..3535, 3638..3685, 3638..3724, 3642..3716		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o4.tm	Method	TBLASTX:Maize
Start	3872	End	4835
GI	none	Score	79
Exons	3872..3919, 3872..3919, 4163..4264, 4170..4265, 4171..4251, 4342..4539, 4364..4546, 4374..4547, 4543..4587, 4545..4595, 4724..4804, 4727..4834, 4731..4832, 4731..4835, 4732..4833		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331

Name	OJ990730_06.0310.C19.o3.ts	Method	TBLASTX:Soybean
Start	4194	End	5185
GI	none	Score	44
Exons	4194..4247, 4198..4263, 4373..4546, 4374..4571, 4545..4586, 4727..4837, 4731..4838, 4932..5006, 4932..5006, 5123..5185, 5126..5185		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o7.tm	Method	TBLASTX:Maize
Start	4926	End	5641
GI	none	Score	121
Exons	4926..5006, 4929..5033, 5123..5194, 5127..5180, 5129..5185, 5358..5471, 5359..5472, 5360..5476, 5522..5641, 5546..5632, 5548..5640		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o2.tc	Method	TBLASTX:Cress
Start	4932	End	6839
GI	none	Score	62
Exons	4932..5006, 4933..5010, 5123..5194, 5351..5467, 5352..5477, 5354..5467, 5362..5481, 5548..5670, 5558..5671, 5797..5841, 5942..5995, 6500..6619, 6562..6618, 6568..6681, 6623..6682, 6755..6838, 6759..6839		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o4.ts	Method	TBLASTX:Soybean
Start	5357	End	5673
GI	none	Score	63
Exons	5357..5476, 5359..5466, 5548..5673, 5549..5671, 5605..5673		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o1.tw	Method	TBLASTX:Wheat
Start	9860	End	13386
GI	none	Score	350
Exons	9860..9961, 12930..13385, 12931..13386		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o2.tw	Method	TBLASTX:Wheat
Start	11378	End	14033
GI	none	Score	157
Exons	11378..11395, 11413..11499, 13578..13814, 13588..13812, 13851..14033, 13852..14025		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o3.tw	Method	TBLASTX:Wheat

Start	12417	End	12815
GI	none	Score	173
Exons	12417..12815, 12505..12705, 12516..12815		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o4.np	Method	AAT/NAP
Start	12435	End	15331
GI	7228457	Score	1735
Exons	12435..13477, 13532..15075, 15270..15331		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o6.tm	Method	TBLASTX:Maize
Start	12507	End	12872
GI	none	Score	96
Exons	12507..12872, 12508..12705		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o5.ts	Method	TBLASTX:Soybean
Start	12603	End	12839
GI	none	Score	69
Exons	12603..12839, 12613..12702		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o2.tm	Method	TBLASTX:Maize
Start	12900	End	13256
GI	none	Score	209
Exons	12900..13256, 12901..13194, 12954..13202		

Seq. No.	39814	Seq. ID	OJ990730_06.0310.C19
Gene No.	82294	Strand	-
Start	12435	End	15331
Name	OJ990730_06.0310.C19.o5.tw	Method	TBLASTX:Wheat
Start	14616	End	15014
GI	none	Score	69
Exons	14616..15014, 14716..14889, 14962..15000		

Seq. No.	39815	Seq. ID	OJ990730_06.0310.C20
Gene No.	82295	Strand	+
Start	317	End	432
Name	OJ990730_06.0310.C20.o1.gs	Method	GENSCAN
Start	317	End	432
GI	none	Score	.94
Exons	317..432		

Seq. No.	39815	Seq. ID	OJ990730_06.0310.C20
Gene No.	82296	Strand	-

Start 1223
 Name OJ990730_06.0310.C20.o2.gs
 Start 1223
 GI none
 Exons 1223..1288, 1620..1838

End 1838
 Method GENSCAN
 End 1838
 Score .77

Seq. No. 39816
 Gene No. 82297
 Start 489
 Name OJ990730_06.0310.C21.o1.gs
 Start 489
 GI none
 Exons 489..633

Seq. ID OJ990730_06.0310.C21
 Strand -
 End 633
 Method GENSCAN
 End 633
 Score .53

Seq. No. 39817
 Gene No. 82298
 Start 1
 Name OJ990730_06.0310.C24.o1.np
 Start 1
 GI 4680501
 Exons 1..559
 GI Descrip. (AF119222) hypothetical protein [Oryza sativa]

Seq. ID OJ990730_06.0310.C24
 Strand +
 End 574
 Method AAT/NAP
 End 559
 Score 403

Seq. No. 39817
 Gene No. 82298
 Start 1
 Name OJ990730_06.0310.C24.o1.gs
 Start 2
 GI none
 Exons 2..574

Seq. ID OJ990730_06.0310.C24
 Strand +
 End 574
 Method GENSCAN
 End 574
 Score .42

Seq. No. 39817
 Gene No. 82299
 Start 1217
 Name OJ990730_06.0310.C24.o2.gs
 Start 1217
 GI none
 Exons 1217..2581

Seq. ID OJ990730_06.0310.C24
 Strand +
 End 2581
 Method GENSCAN
 End 2581
 Score .95

Seq. No. 39817
 Gene No. 82299
 Start 1217
 Name OJ990730_06.0310.C24.o1.gp
 Start 1391
 GI none
 Exons 1391..1913

Seq. ID OJ990730_06.0310.C24
 Strand +
 End 2581
 Method AAT/GAP
 End 1913
 Score 982

Seq. No. 39817
 Gene No. 82300
 Start 3804
 Name OJ990730_06.0310.C24.o3.gs
 Start 3804
 GI none
 Exons 3804..3933, 4657..4822, 4894..5437

Seq. ID OJ990730_06.0310.C24
 Strand +
 End 5437
 Method GENSCAN
 End 5437
 Score .71

Seq. No. 39817
 Gene No. 82301

Seq. ID OJ990730_06.0310.C24
 Strand +

Start	7369	End	8490
Name	OJ990730_06.0310.C24.o4.gs	Method	GENSCAN
Start	7369	End	8490
GI	none	Score	.93
Exons	7369..8490		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o3.gp	Method	AAT/GAP
Start	9217	End	9468
GI	4879754	Score	448
Exons	9217..9468		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o2.np	Method	AAT/NAP
Start	9265	End	12806
GI	4835793	Score	957
Exons	9265..9422, 9509..9611, 10137..10602, 12024..12073, 12156..12286, 12392..12488, 12609..12806		
GI Descrip.	(AC007296) Similar to gb U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF 00076 RNA recognition motif domains. ESTs gb T44278, gb R65195, gb N65904, gb H37499, gb R90487, gb N95952, gb T4427...		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o5.gs	Method	GENSCAN
Start	9301	End	17429
GI	none	Score	.78
Exons	9301..9459, 9501..9611, 10137..10596, 12024..12073, 12582..12773, 13948..14161, 15003..15124, 15221..15330, 15484..15509, 15763..15852, 16322..16455, 17035..17136, 17358..17429		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o4.gp	Method	AAT/GAP
Start	12022	End	12319
GI	30207_1.R1084	Score	290
Exons	12022..12073, 12156..12319		
GI Descrip.	'4835793/gb AAD30259.1 AC007296_20 6.0e-57 (AC007296) Similar to gb_U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF_00076 RNA recognition motif domains. ESTs gb_T44278, gb_R65195, gb_N65904, gb_H37499, gb_R90487, gb_N95952, gb_T4427'		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o5.gp	Method	AAT/GAP
Start	12022	End	12286
GI	30207_1.R1084	Score	296

Exons 12022..12073, 12156..12286
 GI Descrip. '4835793/gb|AAD30259.1|AC007296 20 6.0e-57 (AC007296) Similar to gb_U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF_00076 RNA recognition motif domains. ESTs gb_T44278, gb_R65195, gb_N65904, gb_H37499, gb_R90487, gb_N95952, gb_T4427'

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o6.gp	Method	AAT/GAP
Start	13013	End	13208
GI	4714370	Score	365
Exons	13013..13208		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82302	Strand	+
Start	9301	End	17429
Name	OJ990730_06.0310.C24.o3.np	Method	AAT/NAP
Start	13806	End	16417
GI	7485341	Score	115
Exons	13806..14161, 15003..15124, 16372..16417		
GI Descrip.	hypothetical protein F10M23.330 - Arabidopsis thaliana gi 4455222 emb CAB36545.1 (AL035440) hypothetical protein [Arabidopsis thaliana] gi 7269552 emb CAB79554.1 (AL161566) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82303	Strand	-
Start	2570	End	8418
Name	OJ990730_06.0310.C24.o2.tm	Method	TBLASTX:Maize
Start	2	End	8418
GI	none	Score	102
Exons	2..139, 76..159, 142..225, 143..265, 290..562, 292..558, 1775..1831, 1822..1974, 1856..1981, 2017..2070, 2114..2239, 2315..2515, 2338..2511, 2569..2841, 2571..2594, 2658..2840, 7408..7551, 7437..7550, 7885..8142, 7890..8156, 8176..8418		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82303	Strand	-
Start	2570	End	8418
Name	OJ990730_06.0310.C24.o2.ts	Method	TBLASTX:Soybean
Start	23	End	8388
GI	none	Score	103
Exons	23..139, 143..265, 290..556, 292..564, 2138..2239, 2234..2515, 2326..2511, 2569..2835, 2571..2831, 2590..2832, 7885..8142, 7929..8156, 8176..8388		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82303	Strand	-
Start	2570	End	8418
Name	OJ990730_06.0310.C24.o2.tc	Method	TBLASTX:Cress
Start	169	End	8388
GI	none	Score	86
Exons	169..234, 173..265, 286..570, 287..559, 2459..2515, 2565..2801, 2566..2835, 2638..2832, 8065..8142, 8176..8388, 8250..8375		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82303	Strand	-
Start	2570	End	8418
Name	OJ990730_06.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	173	End	8337
GI	none	Score	87
Exons	173..250, 296..451, 304..444, 469..555, 470..556, 2459..2518, 2575..2736, 2749..2835, 8071..8136, 8173..8337		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82303	Strand	-
Start	2570	End	8418
Name	OJ990730_06.0310.C24.o2.gp	Method	AAT/GAP
Start	2570	End	3098
GI	uC-osflcyp115h04a1	Score	1054
Exons	2570..3098		
GI Descrip.	'4680338/gb AAD27629.1 AF128457_3 2.0e-22 (AF128457) hypothetical protein [Oryza sativa subsp. indica]'		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82304	Strand	-
Start	9524	End	12753
Name	OJ990730_06.0310.C24.o1.tc	Method	TBLASTX:Cress
Start	9524	End	12488
GI	none	Score	132
Exons	9524..9610, 9525..9614, 10128..10250, 10134..10265, 10142..10261, 10269..10298, 10295..10573, 10296..10574, 10327..10575, 10398..10544, 12029..12076, 12156..12278, 12161..12274, 12395..12487, 12399..12488		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82304	Strand	-
Start	9524	End	12753
Name	OJ990730_06.0310.C24.o1.ts	Method	TBLASTX:Soybean
Start	9524	End	12506
GI	none	Score	140
Exons	9524..9613, 9525..9614, 10110..10298, 10128..10250, 10136..10297, 10162..10302, 10293..10580, 10305..10391, 10313..10570, 10398..10529, 10455..10553, 12014..12076, 12155..12271, 12156..12287, 12159..12287, 12386..12487, 12390..12506, 12390..12494		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82304	Strand	-
Start	9524	End	12753
Name	OJ990730_06.0310.C24.o1.tm	Method	TBLASTX:Maize
Start	9524	End	12753
GI	none	Score	135
Exons	9524..9613, 9525..9617, 9541..9630, 10128..10250, 10134..10583, 10134..10580, 10136..10582, 12021..12071, 12022..12072, 12023..12076, 12023..12076, 12155..12286, 12156..12287, 12367..12474, 12377..12490, 12384..12494, 12389..12487, 12393..12494, 12577..12666, 12579..12605, 12580..12666, 12661..12753, 12667..12735, 12680..12736		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82304	Strand	-

Start	9524	End	12753
Name	OJ990730_06.0310.C24.o2.tw	Method	TBLASTX:Wheat
Start	10128	End	10526
GI	none	Score	63
Exons	10128..10250, 10326..10526, 10334..10522		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82305	Strand	
Start	16209	End	17151
Name	OJ990730_06.0310.C24.o4.tm	Method	TBLASTX:Maize
Start	16209	End	17151
GI	none	Score	189
Exons	16209..16382, 16216..16392, 16313..16405, 16372..16458, 16396..16446, 16397..16453, 17034..17105, 17038..17151, 17038..17139, 17039..17140		

Seq. No.	39817	Seq. ID	OJ990730_06.0310.C24
Gene No.	82306	Strand	
Start	17821	End	18184
Name	OJ990730_06.0310.C24.o3.tm	Method	TBLASTX:Maize
Start	17821	End	18184
GI	none	Score	124
Exons	17821..17928, 17822..17932, 17826..17930, 18040..18183, 18040..18183, 18041..18184, 18041..18184		

Seq. No.	39818	Seq. ID	OJ990730_06.0310.C25
Gene No.	82307	Strand	-
Start	989	End	4964
Name	OJ990730_06.0310.C25.o1.gs	Method	GENSCAN
Start	989	End	4964
GI	none	Score	.83
Exons	989..1075, 1952..2001, 2943..2990, 3435..3518, 3592..3681, 3845..3898, 4003..4476, 4547..4964		

Seq. No.	39818	Seq. ID	OJ990730_06.0310.C25
Gene No.	82307	Strand	-
Start	989	End	4964
Name	OJ990730_06.0310.C25.o1.gp	Method	AAT/GAP
Start	2417	End	3517
GI	none	Score	1041
Exons	2417..2846, 2943..2990, 3435..3517		

Seq. No.	39818	Seq. ID	OJ990730_06.0310.C25
Gene No.	82307	Strand	-
Start	989	End	4964
Name	OJ990730_06.0310.C25.o2.gp	Method	AAT/GAP
Start	4000	End	4561
GI	9093_1.R1084	Score	1025
Exons	4000..4561		
GI Descrip.	'4388818/gb AAD19773 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]'		

Seq. No.	39818	Seq. ID	OJ990730_06.0310.C25
Gene No.	82308	Strand	-
Start	4890	End	7910

Name	OJ990730_06.0310.C25.o3.gp	Method	AAT/GAP
Start	4890	End	7609
GI	none	Score	820
Exons	4890..5068, 7367..7609		
Seq. No.	39818	Seq. ID	OJ990730_06.0310.C25
Gene No.	82308	Strand	-
Start	4890	End	7910
Name	OJ990730_06.0310.C25.o2.gs	Method	GENSCAN
Start	5911	End	7910
GI	none	Score	.87
Exons	5911..5941, 6021..6208, 7367..7810, 7815..7910		
Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82309	Strand	+
Start	4893	End	6109
Name	OJ990730_06.0310.C26.o1.np	Method	AAT/NAP
Start	4893	End	6109
GI	6721543	Score	101
Exons	4893..5021, 5675..5750, 6069..6109		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82309	Strand	+
Start	4893	End	6109
Name	OJ990730_06.0310.C26.o2.gp	Method	AAT/GAP
Start	4907	End	5313
GI	7406_1.R1084	Score	661
Exons	4907..5313		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82310	Strand	-
Start	866	End	1489
Name	OJ990730_06.0310.C26.o1.gs	Method	GENSCAN
Start	866	End	1489
GI	none	Score	.98
Exons	866..1489		
Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82311	Strand	-
Start	1411	End	4618
Name	OJ990730_06.0310.C26.o1.gp	Method	AAT/GAP
Start	1411	End	4414
GI	3768383	Score	690
Exons	1411..1574, 4203..4414		
Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82311	Strand	-
Start	1411	End	4618
Name	OJ990730_06.0310.C26.o2.gs	Method	GENSCAN
Start	4065	End	4618
GI	none	Score	.53
Exons	4065..4081, 4522..4618		
Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26

Gene No.	82312	Strand	-
Start	5534	End	9293
Name	OJ990730_06.0310.C26.o3.gp	Method	AAT/GAP
Start	5256	End	5709
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	5256..5709		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82312	Strand	-
Start	5534	End	9293
Name	OJ990730_06.0310.C26.o2.np	Method	AAT/NAP
Start	5510	End	9293
GI	7228442	Score	4811
Exons	5510..5694, 6665..9293		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82312	Strand	-
Start	5534	End	9293
Name	OJ990730_06.0310.C26.o3.gs	Method	GENSCAN
Start	5534	End	9293
GI	none	Score	.51
Exons	5534..5694, 5845..6047, 6052..6099, 6163..6294, 6385..6422, 6488..6762, 6785..6960, 7162..7805, 7881..9293		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82312	Strand	-
Start	5534	End	9293
Name	OJ990730_06.0310.C26.o4.gp	Method	AAT/GAP
Start	7805	End	8236
GI	5701669	Score	833
Exons	7805..8236		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82313	Strand	-
Start	9734	End	9898
Name	OJ990730_06.0310.C26.o1.tw	Method	TBLASTX:Wheat
Start	7605	End	7985
GI	none	Score	79
Exons	7605..7781, 7635..7781, 7666..7785, 7779..7976, 7791..7985		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
Gene No.	82313	Strand	-
Start	9734	End	9898
Name	OJ990730_06.0310.C26.o1.tm	Method	TBLASTX:Maize
Start	7683	End	8279
GI	none	Score	151
Exons	7683..7754, 7818..8117, 7879..8100, 8151..8279, 8173..8271		

Seq. No.	39819	Seq. ID	OJ990730_06.0310.C26
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Gene No.	82313	Strand	-
Start	9734	End	9898
Name	OJ990730_06.0310.C26.o5.gp	Method	AAT/GAP
Start	9734	End	9898
GI	7406_1.R1084	Score	213
Exons	9734..9898		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82314	Strand	+
Start	6886	End	14742
Name	OJ990730_06.0310.C27.o3.gs	Method	GENSCAN
Start	6886	End	14742
GI	none	Score	.49
Exons	6886..10810, 11297..11671, 11722..11915, 12175..12262, 12624..12699, 13106..13191, 14246..14742		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o1.tc	Method	TBLASTX:Cress
Start	1047	End	2230
GI	none	Score	119
Exons	1047..1187, 1047..1199, 1048..1197, 1185..1361, 1201..1326, 1212..1331, 1676..1882, 1686..1880, 2097..2228, 2105..2230		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o1.ts	Method	TBLASTX:Soybean
Start	1050	End	1311
GI	none	Score	169
Exons	1050..1310, 1053..1310, 1054..1311		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o2.gs	Method	GENSCAN
Start	1050	End	5874
GI	none	Score	.83
Exons	1050..1328, 1589..1879, 2105..2358, 3133..3316, 3571..3629, 3711..3737, 4034..4249, 4312..4483, 5245..5395, 5609..5874		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o1.np	Method	AAT/NAP
Start	1053	End	3859
GI	7487370	Score	922
Exons	1053..1328, 1589..1879, 2105..2380, 3080..3209, 3775..3859		
GI Descrip.	hypothetical protein T23J7.190 - Arabidopsis thaliana gi 4741203 emb CAB41869.1 (AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-

Start	1050	End	5874
Name	OJ990730_06.0310.C27.o1.tm	Method	TBLASTX:Maize
Start	1101	End	1332
GI	none	Score	245
Exons	1101..1331, 1101..1331, 1102..1332, 1120..1332		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o2.tm	Method	TBLASTX:Maize
Start	1616	End	1799
GI	none	Score	239
Exons	1616..1798, 1616..1798, 1617..1799		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o2.ts	Method	TBLASTX:Soybean
Start	1651	End	2251
GI	none	Score	96
Exons	1651..1785, 1652..1882, 1653..1883, 1668..1880, 2097..2249, 2097..2228, 2105..2251		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o3.tm	Method	TBLASTX:Maize
Start	1800	End	2867
GI	none	Score	77
Exons	1800..1850, 1800..1847, 1802..1852, 1802..1900, 1845..1880, 2097..2273, 2098..2277, 2105..2272, 2283..2360, 2285..2362, 2761..2865, 2762..2866, 2769..2867		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82315	Strand	-
Start	1050	End	5874
Name	OJ990730_06.0310.C27.o2.np	Method	AAT/NAP
Start	2554	End	2662
GI	6983864	Score	77
Exons	2554..2662		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82316	Strand	-
Start	7855	End	8199
Name	OJ990730_06.0310.C27.o4.tm	Method	TBLASTX:Maize
Start	7855	End	8199
GI	none	Score	155
Exons	7855..8037, 7857..8000, 8047..8127, 8064..8126, 8118..8198, 8119..8199		

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82317	Strand	-
Start	8317	End	8727
Name	OJ990730_06.0310.C27.o5.tm	Method	TBLASTX:Maize
Start	8317	End	8637
GI	none	Score	198

Exons 8317..8637, 8319..8612.

Seq. No.	39820	Seq. ID	OJ990730_06.0310.C27
Gene No.	82317	Strand	
Start	8317	End	8727
Name	OJ990730_06.0310.C27.o3.ts	Method	TBLASTX:Soybean
Start	8350	End	8727
GI	none	Score	236
Exons	8350..8727, 8370..8399, 8455..8499, 8487..8705		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82318	Strand	+
Start	191	End	264
Name	OJ990730_06.0310.C28.o1.gs	Method	GENSCAN
Start	191	End	264
GI	none	Score	.65
Exons	191..264		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82319	Strand	+
Start	2917	End	4779
Name	OJ990730_06.0310.C28.o1.np	Method	AAT/NAP
Start	2917	End	4779
GI	6907086	Score	1496
Exons	2917..3679, 3738..3909, 4146..4255, 4379..4541, 4586..4779		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82320	Strand	+
Start	8374	End	8522
Name	OJ990730_06.0310.C28.o3.gp	Method	AAT/GAP
Start	8374	End	8522
GI	uC-osflcyp089a06a1	Score	271
Exons	8374..8522		
GI Descrip.	'5803254/dbj BAA83564.1 3.0e-16 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82321	Strand	-
Start	983	End	1485
Name	OJ990730_06.0310.C28.o1.gp	Method	AAT/GAP
Start	983	End	1485
GI	38782_1.R1084	Score	816
Exons	983..1485		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82322	Strand	-
Start	8057	End	9590
Name	OJ990730_06.0310.C28.o2.np	Method	AAT/NAP
Start	8057	End	9590
GI	5803254	Score	186
Exons	8057..8242, 8809..9000, 9351..9590		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106),		

AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82322	Strand	-
Start	8057	End	9590
Name	OJ990730_06.0310.C28.o3.gs	Method	GENSCAN
Start	8626	End	9506
GI	none	Score	.86
Exons	8626..9000, 9351..9506		

Seq. No.	39821	Seq. ID	OJ990730_06.0310.C28
Gene No.	82322	Strand	-
Start	8057	End	9590
Name	OJ990730_06.0310.C28.o4.gp	Method	AAT/GAP
Start	8830	End	9590
GI	431814	Score	589
Exons	8830..9000, 9351..9590		
GI Descrip.	5803254/dbj BAA83564.1 3.0e-16 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82323	Strand	+
Start	103	End	3144
Name	OJ990730_06.0310.C29.o1.gs	Method	GENSCAN
Start	103	End	3144
GI	none	Score	.46
Exons	103..183, 1878..2003, 2051..2525, 3059..3144		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82324	Strand	+
Start	12105	End	13556
Name	OJ990730_06.0310.C29.o7.np	Method	AAT/NAP
Start	12105	End	13556
GI	6907088	Score	1013
Exons	12105..12242, 12418..12656, 13156..13556		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82325	Strand	-
Start	1	End	676
Name	OJ990730_06.0310.C29.o1.np	Method	AAT/NAP
Start	1	End	676
GI	5803254	Score	324
Exons	1..529, 572..676		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82326	Strand	-
Start	3481	End	5349
Name	OJ990730_06.0310.C29.o3.np	Method	AAT/NAP
Start	3481	End	5349
GI	5803254	Score	725

Exons 3481..3859, 4235..4390, 4527..5349
 GI Descrip. (AP000399) ESTs C97429(C60159), D22427(C11106), AU078031(E31854), D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]

Seq. No. 39822 Seq. ID OJ990730_06.0310.C29
 Gene No. 82327 Strand -
 Start 6157 End 9559
 Name OJ990730_06.0310.C29.o4.np Method AAT/NAP
 Start 6157 End 9559
 GI 4678197 Score 1813
 Exons 6157..7919, 8207..9147, 9175..9559
 GI Descrip. (AC007134) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No. 39822 Seq. ID OJ990730_06.0310.C29
 Gene No. 82328 Strand -
 Start 11211 End 11360
 Name OJ990730_06.0310.C29.o1.ts Method TBLASTX:Soybean
 Start 6139 End 6819
 GI none Score 53
 Exons 6139..6405, 6145..6261, 6332..6790, 6345..6635, 6484..6819

Seq. No. 39822 Seq. ID OJ990730_06.0310.C29
 Gene No. 82328 Strand -
 Start 11211 End 11360
 Name OJ990730_06.0310.C29.o1.tm Method TBLASTX:Maize
 Start 6175 End 6837
 GI none Score 55
 Exons 6175..6411, 6332..6400, 6487..6837, 6488..6739

Seq. No. 39822 Seq. ID OJ990730_06.0310.C29
 Gene No. 82328 Strand -
 Start 11211 End 11360
 Name OJ990730_06.0310.C29.o3.tw Method TBLASTX:Wheat
 Start 6583 End 6969
 GI none Score 34
 Exons 6583..6828, 6594..6629, 6698..6802, 6850..6969

Seq. No. 39822 Seq. ID OJ990730_06.0310.C29
 Gene No. 82328 Strand -
 Start 11211 End 11360
 Name OJ990730_06.0310.C29.o4.ts Method TBLASTX:Soybean
 Start 6847 End 7026
 GI none Score 115
 Exons 6847..7026, 6881..7024

Seq. No. 39822 Seq. ID OJ990730_06.0310.C29
 Gene No. 82328 Strand -
 Start 11211 End 11360
 Name OJ990730_06.0310.C29.o3.tc Method TBLASTX:Cress
 Start 6883 End 7122
 GI none Score 185
 Exons 6883..7122

Seq. No. 39822 Seq. ID OJ990730_06.0310.C29
 Gene No. 82328 Strand -

Start	11211	End	11360
Name	OJ990730_06.0310.C29.o1.tw	Method	TBLASTX:Wheat
Start	6979	End	7525
GI	none	Score	57
Exons	6979..7188, 7016..7120, 7180..7524, 7235..7366, 7412..7525		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o3.tm	Method	TBLASTX:Maize
Start	7093	End	7525
GI	none	Score	99
Exons	7093..7524, 7205..7366, 7433..7525		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o2.ts	Method	TBLASTX:Soybean
Start	7205	End	7690
GI	5509260	Score	111
Exons	7205..7366, 7210..7689, 7412..7690		
GI Descrip.	-		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o1.tc	Method	TBLASTX:Cress
Start	7306	End	7575
GI	none	Score	138
Exons	7306..7575, 7315..7554, 7325..7561		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o2.tm	Method	TBLASTX:Maize
Start	8249	End	8923
GI	none	Score	70
Exons	8249..8845, 8259..8519, 8541..8777, 8624..8821, 8855..8923		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o2.tc	Method	TBLASTX:Cress
Start	8285	End	8734
GI	none	Score	85
Exons	8285..8734, 8535..8732		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o3.ts	Method	TBLASTX:Soybean
Start	8288	End	8749
GI	none	Score	81
Exons	8288..8749, 8448..8675		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-

Start	11211	End	11360
Name	OJ990730_06.0310.C29.o2.tw	Method	TBLASTX:Wheat
Start	8306	End	8914
GI	none	Score	62
Exons	8306..8428, 8423..8512, 8436..8513, 8528..8914, 8532..8897		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o4.tm	Method	TBLASTX:Maize
Start	8933	End	9277
GI	none	Score	84
Exons	8933..9139, 8938..9057, 8939..9175, 9206..9277, 9213..9257		

Seq. No.	39822	Seq. ID	OJ990730_06.0310.C29
Gene No.	82328	Strand	-
Start	11211	End	11360
Name	OJ990730_06.0310.C29.o6.np	Method	AAT/NAP
Start	11211	End	11360
GI	6069646	Score	111
Exons	11211..11360		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82329	Strand	+
Start	1	End	1342
Name	OJ990730_06.0310.C30.o1.np	Method	AAT/NAP
Start	1	End	791
GI	6983857	Score	500
Exons	1..322, 363..791		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82329	Strand	+
Start	1	End	1342
Name	OJ990730_06.0310.C30.o1.gs	Method	GENSCAN
Start	299	End	1342
GI	none	Score	.74
Exons	299..388, 1232..1342		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82330	Strand	+
Start	3861	End	8289
Name	OJ990730_06.0310.C30.o2.gs	Method	GENSCAN
Start	3861	End	8289
GI	none	Score	.78
Exons	3861..3986, 4097..4243, 4574..4665, 4759..4855, 5865..6011, 6096..6243, 6335..6411, 6880..6951, 7336..7463, 7545..7704, 7804..8005, 8240..8289		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82331	Strand	-
Start	8787	End	9369

Name	OJ990730_06.0310.C30.o1.gp	Method	AAT/GAP
Start	8787	End	9369
GI	33381_1.R1084	Score	772
Exons	8787..9189, 9297..9369		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-50 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o6.tm	Method	TBLASTX:Maize
Start	3840	End	4795
GI	none	Score	110
Exons	3840..3989, 3851..3904, 4045..4251, 4097..4213, 4569..4661, 4573..4665, 4575..4661, 4753..4794, 4757..4795		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o1.tm	Method	TBLASTX:Maize
Start	4796	End	7457
GI	none	Score	69
Exons	4796..4855, 5128..5175, 5129..5176, 5304..5384, 5305..5394, 5368..5445, 5679..5714, 5681..5776, 5683..5781, 5854..5997, 5862..6011, 5862..6008, 5864..6016, 5891..6022, 6095..6244, 6096..6251, 6096..6263, 6321..6413, 6325..6429, 6346..6423, 6879..6950, 6880..6951, 7125..7190, 7319..7456, 7334..7456, 7335..7457		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o2.ts	Method	TBLASTX:Soybean
Start	5681	End	6236
GI	none	Score	116
Exons	5681..5776, 5686..5778, 5854..5916, 5862..6011, 5862..6035, 6099..6236, 6101..6226		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o3.tm	Method	TBLASTX:Maize
Start	7545	End	8016
GI	none	Score	125
Exons	7545..7706, 7551..7706, 7576..7737, 7801..8016, 7802..7978, 7803..7979		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o5.ts	Method	TBLASTX:Soybean
Start	7596	End	7908
GI	none	Score	158
Exons	7596..7706, 7597..7707, 7609..7710, 7794..7907, 7801..7908		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-

Start	9343	End	15116
Name	OJ990730_06.0310.C30.o7.tm	Method	TBLASTX:Maize
Start	8779	End	9187
GI	none	Score	133
Exons	8779..8796, 8911..8961, 8975..9049, 8976..9056, 8976..9059, 8977..9057, 9112..9177, 9116..9187		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o3.gs	Method	GENSCAN
Start	9343	End	15101
GI	none	Score	.84
Exons	9343..9723, 9828..9923, 10292..10563, 10701..10875, 10886..11191, 11336..11437, 11570..12028, 12122..12310, 12923..13040, 13631..13905, 15018..15101		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o2.np	Method	AAT/NAP
Start	9349	End	15116
GI	2147484	Score	2651
Exons	9349..9723, 9828..9923, 10292..10563, 10701..10875, 10991..11191, 11336..11437, 11570..12028, 12122..12310, 12923..13040, 13631..13851, 14985..15116		
GI Descrip.	homeotic protein - Phalaenopsis sp gi 1173622 (U34743) homeobox protein [Phalaenopsis sp. 'hybrid SM9108']		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o4.ts	Method	TBLASTX:Soybean
Start	9352	End	9651
GI	none	Score	123
Exons	9352..9489, 9353..9475, 9544..9651, 9554..9649		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o1.tc	Method	TBLASTX:Cress
Start	9359	End	13704
GI	none	Score	123
Exons	9359..9478, 9364..9489, 9541..9684, 9554..9724, 9644..9718, 9829..9924, 9852..9926, 9856..9924, 10287..10565, 10292..10570, 10705..10884, 10709..10804, 10744..10878, 10985..11191, 10986..11192, 11333..11437, 11337..11447, 11546..11719, 11574..11684, 11753..11848, 11978..12031, 11985..12044, 12111..12305, 12119..12319, 12917..13057, 12922..13038, 13630..13683, 13672..13704		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o2.tm	Method	TBLASTX:Maize
Start	9370	End	11017
GI	none	Score	162

Exons 9370..9489, 9371..9478, 9373..9495, 9541..9684, 9544..9582, 9554..9724, 9620..9718, 9829..9924, 9830..9925, 9849..9926, 10281..10580, 10292..10570, 10685..10807, 10702..10884, 10744..10896, 10985..11017

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o6.ts	Method	TBLASTX:Soybean
Start	9653	End	10453
GI	none	Score	79
Exons	9653..9718, 9668..9718, 9841..9924, 9845..9925, 9852..9926, 10281..10451, 10292..10453		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o1.ts	Method	TBLASTX:Soybean
Start	10497	End	11842
GI	none	Score	82
Exons	10497..10565, 10499..10570, 10697..10807, 10702..10884, 10986..11192, 10988..11191, 11222..11257, 11333..11437, 11333..11437, 11337..11447, 11337..11438, 11573..11707, 11574..11678, 11753..11797, 11753..11842		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o5.tm	Method	TBLASTX:Maize
Start	11018	End	11195
GI	none	Score	172
Exons	11018..11074, 11072..11185, 11076..11192, 11115..11195		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o2.gp	Method	AAT/GAP
Start	11590	End	12015
GI	5004265	Score	820
Exons	11590..12015		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o3.ts	Method	TBLASTX:Soybean
Start	11960	End	13000
GI	none	Score	60
Exons	11960..12049, 11979..12029, 12119..12319, 12138..12305, 12917..13000		

Seq. No.	39823	Seq. ID	OJ990730_06.0310.C30
Gene No.	82332	Strand	-
Start	9343	End	15116
Name	OJ990730_06.0310.C30.o4.tm	Method	TBLASTX:Maize
Start	11960	End	13000
GI	none	Score	66
Exons	11960..12031, 11979..12029, 12111..12305, 12119..12319,		

12239..12316, 12917..13000

Seq. No.	39824	Seq. ID	OJ990730_06.0310.C31
Gene No.	82333	Strand	-
Start	1	End	320
Name	OJ990730_06.0310.C31.o1.np	Method	AAT/NAP
Start	1	End	320
GI	6069659	Score	101
Exons	1..53, 204..320		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	39824	Seq. ID	OJ990730_06.0310.C31
Gene No.	82334	Strand	-
Start	470	End	798
Name	OJ990730_06.0310.C31.o2.np	Method	AAT/NAP
Start	470	End	798
GI	6907088	Score	336
Exons	470..798		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39825	Seq. ID	OJ990730_06.0310.C32
Gene No.	82335	Strand	-
Start	1	End	1061
Name	OJ990730_06.0310.C32.o1.np	Method	AAT/NAP
Start	1	End	1061
GI	6907088	Score	600
Exons	1..59, 559..796, 924..1061		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39826	Seq. ID	OJ990730_06.0310.C33
Gene No.	82336	Strand	+
Start	2039	End	3045
Name	OJ990730_06.0310.C33.o2.gs	Method	GENSCAN
Start	2039	End	3045
GI	none	Score	.45
Exons	2039..2857, 2944..3045		

Seq. No.	39826	Seq. ID	OJ990730_06.0310.C33
Gene No.	82337	Strand	+
Start	5325	End	6322
Name	OJ990730_06.0310.C33.o1.np	Method	AAT/NAP
Start	5325	End	6322
GI	7228442	Score	913
Exons	5325..6322		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	39826	Seq. ID	OJ990730_06.0310.C33
Gene No.	82338	Strand	-
Start	617	End	1354
Name	OJ990730_06.0310:C33.o1.gs	Method	GENSCAN
Start	617	End	1354
GI	none	Score	.9
Exons	617..1354		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
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Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o1.np	Method	AAT/NAP
Start	243	End	3602
GI	4680179	Score	4038
Exons	243..3602		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o1.gs	Method	GENSCAN
Start	272	End	3316
GI	none	Score	.46
Exons	272..793, 1013..1351, 1419..1934, 2105..2611, 2663..3316		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o5.tw	Method	TBLASTX:Wheat
Start	287	End	620
GI	none	Score	99
Exons	287..619, 308..457, 351..620		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o7.tm	Method	TBLASTX:Maize
Start	302	End	460
GI	none	Score	60
Exons	302..460, 339..428		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o1.tm	Method	TBLASTX:Maize
Start	470	End	1066
GI	none	Score	151
Exons	470..907, 470..907, 905..1063, 912..1058, 914..1066		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o1.tw	Method	TBLASTX:Wheat
Start	620	End	1246
GI	none	Score	158
Exons	620..1246, 671..1099, 744..1151		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o4.tm	Method	TBLASTX:Maize
Start	1115	End	1407
GI	none	Score	105
Exons	1115..1405, 1118..1333, 1215..1394, 1282..1407		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
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Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o2.ts	Method	TBLASTX:Soybean
Start	1205	End	1408
GI	none	Score	125
Exons	1205..1408, 1215..1388		
Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o3.tw	Method	TBLASTX:Wheat
Start	1253	End	1778
GI	none	Score	162
Exons	1253..1414, 1257..1415, 1301..1462, 1410..1778, 1416..1541, 1417..1626		
Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o2.tm	Method	TBLASTX:Maize
Start	1821	End	2173
GI	none	Score	79
Exons	1821..1991, 1864..1992, 1988..2173, 1989..2171		
Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o2.tw	Method	TBLASTX:Wheat
Start	1821	End	2246
GI	none	Score	101
Exons	1821..1994, 1873..1995, 1976..2188, 1988..2245, 1989..2246		
Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o3.ts	Method	TBLASTX:Soybean
Start	1994	End	2239
GI	none	Score	205
Exons	1994..2239		
Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o5.tm	Method	TBLASTX:Maize
Start	2180	End	2527
GI	none	Score	65
Exons	2180..2527, 2325..2459		
Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o6.tw	Method	TBLASTX:Wheat
Start	2252	End	2548
GI	none	Score	66
Exons	2252..2548, 2272..2487, 2289..2504, 2312..2548		
Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35

Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o1.ts	Method	TBLASTX:Soybean
Start	2261	End	2656
GI	none	Score	150
Exons	2261..2620, 2289..2504, 2312..2620, 2544..2639, 2624..2656, 2624..2656		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o3.tm	Method	TBLASTX:Maize
Start	2543	End	3010
GI	none	Score	94
Exons	2543..3010, 2762..2938		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o4.tw	Method	TBLASTX:Wheat
Start	2597	End	3080
GI	none	Score	173
Exons	2597..3079, 2606..3052, 2625..3080		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o6.tm	Method	TBLASTX:Maize
Start	3011	End	3217
GI	none	Score	162
Exons	3011..3217, 3012..3158		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o7.tw	Method	TBLASTX:Wheat
Start	3221	End	3599
GI	none	Score	80
Exons	3221..3391, 3276..3395, 3404..3595, 3471..3599		

Seq. No.	39827	Seq. ID	OJ990730_06.0310.C35
Gene No.	82339	Strand	-
Start	243	End	3602
Name	OJ990730_06.0310.C35.o8.tm	Method	TBLASTX:Maize
Start	3308	End	3596
GI	none	Score	63
Exons	3308..3583, 3519..3596		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82340	Strand	+
Start	3480	End	4190
Name	OJ990730_06.0310.C36.o3.np	Method	AAT/NAP
Start	3480	End	4190
GI	6907088	Score	535
Exons	3480..3617, 3793..4190		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82341	Strand	-
Start	1	End	2317
Name	OJ990730_06.0310.C36.o1.np	Method	AAT/NAP
Start	1	End	2091
GI	4680179	Score	456
Exons	1..822, 1908..2091		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82341	Strand	-
Start	1	End	2317
Name	OJ990730_06.0310.C36.o2.np	Method	AAT/NAP
Start	1537	End	2317
GI	6002794	Score	1224
Exons	1537..2317		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82342	Strand	-
Start	2899	End	3416
Name	OJ990730_06.0310.C36.o1.tm	Method	TBLASTX:Maize
Start	180	End	581
GI	none	Score	239
Exons	180..581		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82342	Strand	-
Start	2899	End	3416
Name	OJ990730_06.0310.C36.o1.tw	Method	TBLASTX:Wheat
Start	462	End	839
GI	none	Score	265
Exons	462..839		

Seq. No.	39828	Seq. ID	OJ990730_06.0310.C36
Gene No.	82342	Strand	-
Start	2899	End	3416
Name	OJ990730_06.0310.C36.o2.gs	Method	GENSCAN
Start	2899	End	3416
GI	none	Score	.93
Exons	2899..2972, 3407..3416		

Seq. No.	39829	Seq. ID	OJ990730_06.0310.C37
Gene No.	82343	Strand	+
Start	1	End	857
Name	OJ990730_06.0310.C37.o1.np	Method	AAT/NAP
Start	1	End	857
GI	6983857	Score	755
Exons	1..72, 134..857		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39829	Seq. ID	OJ990730_06.0310.C37
Gene No.	82343	Strand	+
Start	1	End	857
Name	OJ990730_06.0310.C37.o1.gs	Method	GENSCAN
Start	231	End	725
GI	none	Score	.98

Exons 231..725

Seq. No.	39830	Seq. ID	OJ990810_04.0303.C1
Gene No.	82344	Strand	+
Start	1	End	276
Name	OJ990810_04.0303.C1.o1.gp	Method	AAT/GAP
Start	1	End	276
GI	uC-osflcyp033a04b1	Score	470
Exons	1..276		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39830	Seq. ID	OJ990810_04.0303.C1
Gene No.	82345	Strand	+
Start	717	End	783
Name	OJ990810_04.0303.C1.o1.gs	Method	GENSCAN
Start	717	End	783
GI	none	Score	.46
Exons	717..783		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82346	Strand	+
Start	2991	End	8431
Name	OJ990810_04.0303.C2.o2.np	Method	AAT/NAP
Start	2991	End	8211
GI	5852180	Score	813
Exons	2991..3045, 6582..6639, 7629..7745, 7798..8211		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82346	Strand	+
Start	2991	End	8431
Name	OJ990810_04.0303.C2.o3.gs	Method	GENSCAN
Start	6833	End	8431
GI	none	Score	.99
Exons	6833..6893, 7629..8431		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82347	Strand	-
Start	1	End	5814
Name	OJ990810_04.0303.C2.o1.np	Method	AAT/NAP
Start	1	End	5737
GI	7228457	Score	7638
Exons	1..31, 845..1578, 1623..2774, 2897..3729, 3793..5737		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82347	Strand	-
Start	1	End	5814
Name	OJ990810_04.0303.C2.o1.gs	Method	GENSCAN
Start	760	End	2656
GI	none	Score	.6
Exons	760..1578, 1623..2492, 2510..2656		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
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Gene No.	82347	Strand	-
Start	1	End	5814
Name	OJ990810_04.0303.C2.o2.gs	Method	GENSCAN
Start	2920	End	5814
GI	none	Score	.54
Exons	2920..3729, 3793..4278, 4304..5083, 5101..5213, 5367..5814		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o5.tw	Method	TBLASTX:Wheat
Start	811	End	1155
GI	none	Score	174
Exons	811..1155, 848..1132, 850..1134		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o2.tm	Method	TBLASTX:Maize
Start	812	End	1158
GI	none	Score	207
Exons	812..1012, 841..1158, 842..1129		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o4.tw	Method	TBLASTX:Wheat
Start	1644	End	2102
GI	none	Score	91
Exons	1644..1793, 1645..1782, 1837..2013, 1854..2102, 1854..2078		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	2703	End	3072
GI	none	Score	79
Exons	2703..2933, 2938..3072, 2939..3055		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o2.tw	Method	TBLASTX:Wheat
Start	2733	End	3151
GI	none	Score	114
Exons	2733..2933, 2758..2934, 2917..3096, 2932..3150, 2933..3151		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o3.tm	Method	TBLASTX:Maize
Start	2826	End	3208
GI	none	Score	192
Exons	2826..2933, 2932..3207, 2933..3208		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-

Start	6488	End	8703
Name	OJ990810_04.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	3235	End	3591
GI	none	Score	132
Exons	3235..3540, 3235..3591, 3245..3556		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	3259	End	3722
GI	none	Score	233
Exons	3259..3720, 3265..3720, 3266..3721, 3279..3722		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o2.ts	Method	TBLASTX:Soybean
Start	3316	End	3681
GI	none	Score	118
Exons	3316..3450, 3457..3681		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o3.tw	Method	TBLASTX:Wheat
Start	3886	End	4382
GI	none	Score	152
Exons	3886..4254, 3917..4177, 4277..4381, 4305..4382		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o6.tw	Method	TBLASTX:Wheat
Start	5119	End	5511
GI	none	Score	93
Exons	5119..5376, 5153..5392, 5359..5457, 5360..5452, 5464..5511		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o4.tm	Method	TBLASTX:Maize
Start	5221	End	5506
GI	none	Score	82
Exons	5221..5469, 5222..5506		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o1.gp	Method	AAT/GAP
Start	6488	End	6873
GI	uC-osflcyp033a04b1	Score	661
Exons	6488..6873		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39831	Seq. ID	OJ990810_04.0303.C2
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Gene No.	82348	Strand	-
Start	6488	End	8703
Name	OJ990810_04.0303.C2.o3.np	Method	AAT/NAP
Start	6550	End	8703
GI	2129478	Score	93
Exons	6550..6571, 7966..8174, 8382..8703		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi 488731 emb CAA55883 (X79301) chitinase [Beta vulgaris] gi 829258 emb CAA56946 (X81056) Chitinase [Beta vulgaris]		

Seq. No.	39832	Seq. ID	OJ990810_04.0303.C3
Gene No.	82349	Strand	+
Start	1	End	2149
Name	OJ990810_04.0303.C3.o2.np	Method	AAT/NAP
Start	1	End	1225
GI	7523512	Score	163
Exons	1..41, 1103..1225		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39832	Seq. ID	OJ990810_04.0303.C3
Gene No.	82349	Strand	+
Start	1	End	2149
Name	OJ990810_04.0303.C3.o1.gs	Method	GENSCAN
Start	84	End	2149
GI	none	Score	.73
Exons	84..167, 289..428, 653..735, 975..1050, 1329..1467, 1994..2149		

Seq. No.	39832	Seq. ID	OJ990810_04.0303.C3
Gene No.	82350	Strand	-
Start	237	End	815
Name	OJ990810_04.0303.C3.o1.np	Method	AAT/NAP
Start	237	End	815
GI	5042454	Score	212
Exons	237..290, 632..815		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39832	Seq. ID	OJ990810_04.0303.C3
Gene No.	82350	Strand	-
Start	237	End	815
Name	OJ990810_04.0303.C3.o1.gp	Method	AAT/GAP
Start	353	End	773
GI	uC-osflcyp172a09a1	Score	640
Exons	353..380, 410..773		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	39832	Seq. ID	OJ990810_04.0303.C3
Gene No.	82351	Strand	-
Start	2640	End	3656
Name	OJ990810_04.0303.C3.o2.gs	Method	GENSCAN
Start	2640	End	3656
GI	none	Score	1
Exons	2640..3656		

Seq. No.	39833	Seq. ID	OJ990810_04.0303.C4
Gene No.	82352	Strand	+
Start	36	End	548

Name OJ990810_04.0303.C4.o1.gs
Start 36
GI none
Exons 36..548

Method GENSCAN
End 548
Score .99

Seq. No. 39833
Gene No. 82353
Start 1334
Name OJ990810_04.0303.C4.o2.gs
Start 1334
GI none
Exons 1334..1507

Seq. ID OJ990810_04.0303.C4
Strand -
End 1507
Method GENSCAN
End 1507
Score .85

Seq. No. 39834
Gene No. 82354
Start 1
Name OJ990810_04.0303.C9.o1.np
Start 1
GI 4680179
Exons 1..603, 637..1722
GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. ID OJ990810_04.0303.C9
Strand -
End 1722
Method AAT/NAP
End 1722
Score 1270

Seq. No. 39834
Gene No. 82354
Start 1
Name OJ990810_04.0303.C9.o1.gs
Start 72
GI none
Exons 72..164, 525..1719

Seq. ID OJ990810_04.0303.C9
Strand -
End 1722
Method GENSCAN
End 1719
Score .78

Seq. No. 39834
Gene No. 82355
Start 1972
Name OJ990810_04.0303.C9.o2.tw
Start 139
GI none
Exons 139..180, 208..321, 209..322,

Seq. ID OJ990810_04.0303.C9
Strand -
End 2316
Method TBLASTX:Wheat
End 576
Score 61
367..576, 368..520

Seq. No. 39834
Gene No. 82355
Start 1972
Name OJ990810_04.0303.C9.o2.tm
Start 259
GI none
Exons 259..612

Seq. ID OJ990810_04.0303.C9
Strand -
End 2316
Method TBLASTX:Maize
End 612
Score 187

Seq. No. 39834
Gene No. 82355
Start 1972
Name OJ990810_04.0303.C9.o1.tw
Start 895
GI none
Exons 895..1245, 1052..1246

Seq. ID OJ990810_04.0303.C9
Strand -
End 2316
Method TBLASTX:Wheat
End 1246
Score 117

Seq. No. 39834
Gene No. 82355
Start 1972

Seq. ID OJ990810_04.0303.C9
Strand -
End 2316

Name OJ990810_04.0303.C9.o1.tm
 Start 940
 GI none
 Exons 940..1245, 1067..1231

Method TBLASTX:Maize
 End 1245
 Score 91

Seq. No. 39834
 Gene No. 82355
 Start 1972
 Name OJ990810_04.0303.C9.o3.tw
 Start 1280
 GI none
 Exons 1280..1477, 1282..1479

Seq. ID OJ990810_04.0303.C9
 Strand -
 End 2316
 Method TBLASTX:Wheat
 End 1479
 Score 117

Seq. No. 39834
 Gene No. 82355
 Start 1972
 Name OJ990810_04.0303.C9.o2.gs
 Start 1972
 GI none
 Exons 1972..2313

Seq. ID OJ990810_04.0303.C9
 Strand -
 End 2316
 Method GENSCAN
 End 2313
 Score .59

Seq. No. 39834
 Gene No. 82355
 Start 1972
 Name OJ990810_04.0303.C9.o1.gp
 Start 2052
 GI 95437_1.R1084
 Exons 2052..2316

Seq. ID OJ990810_04.0303.C9
 Strand -
 End 2316
 Method AAT/GAP
 End 2316
 Score 406

GI Descrip. '4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa
 gypsy-type retrotransposon RIRE3 DNA, internal region, complete
 sequence'

Seq. No. 39835
 Gene No. 82356
 Start 1
 Name OJ990810_04.0303.C10.o3.np
 Start 1
 GI 4680186
 Exons 1..76, 1829..1880, 2714..2778
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. ID OJ990810_04.0303.C10
 Strand +
 End 2778
 Method AAT/NAP
 End 2778
 Score 98

Seq. No. 39835
 Gene No. 82357
 Start 1
 Name OJ990810_04.0303.C10.o1.np
 Start 1
 GI 6983860
 Exons 1..392, 438..524

Seq. ID OJ990810_04.0303.C10
 Strand -
 End 2778
 Method AAT/NAP
 End 524
 Score 406

GI Descrip. (AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type
 (AF061282) [Oryza sativa]

Seq. No. 39835
 Gene No. 82357
 Start 1
 Name OJ990810_04.0303.C10.o1.tw
 Start 9
 GI none

Seq. ID OJ990810_04.0303.C10
 Strand -
 End 2778
 Method TBLASTX:Wheat
 End 311
 Score 43

Exons 9..74, 13..51, 85..282, 87..284, 291..311

Seq. No.	39835	Seq. ID	OJ990810_04.0303.C10
Gene No.	82357	Strand	-
Start	1	End	2778
Name	OJ990810_04.0303.C10.o1.gs	Method	GENSCAN
Start	115	End	2743
GI	none	Score	.93
Exons	115..524, 696..778, 817..1582, 2678..2743		

Seq. No.	39835	Seq. ID	OJ990810_04.0303.C10
Gene No.	82357	Strand	-
Start	1	End	2778
Name	OJ990810_04.0303.C10.o1.gp	Method	AAT/GAP
Start	2465	End	2778
GI	uC-osflcyp033a04b1	Score	537
Exons	2465..2778		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39836	Seq. ID	OJ990810_04.0303.C11
Gene No.	82358	Strand	+
Start	1	End	712
Name	OJ990810_04.0303.C11.o1.np	Method	AAT/NAP
Start	1	End	712
GI	5852180	Score	548
Exons	1..26, 141..250, 302..712		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	39836	Seq. ID	OJ990810_04.0303.C11
Gene No.	82359	Strand	-
Start	128	End	831
Name	OJ990810_04.0303.C11.o1.gs	Method	GENSCAN
Start	128	End	831
GI	none	Score	.77
Exons	128..277, 457..831		

Seq. No.	39836	Seq. ID	OJ990810_04.0303.C11
Gene No.	82360	Strand	-
Start	1452	End	1891
Name	OJ990810_04.0303.C11.o2.gs	Method	GENSCAN
Start	1452	End	1847
GI	none	Score	.96
Exons	1452..1847		

Seq. No.	39836	Seq. ID	OJ990810_04.0303.C11
Gene No.	82360	Strand	-
Start	1452	End	1891
Name	OJ990810_04.0303.C11.o2.np	Method	AAT/NAP
Start	1455	End	1891
GI	6983860	Score	631
Exons	1455..1891		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39836	Seq. ID	OJ990810_04.0303.C11
Gene No.	82360	Strand	-

Start 1452
 Name OJ990810_04.0303.C11.o1.tw
 Start 1500
 GI none
 Exons 1500..1889, 1564..1887

End 1891
 Method TBLASTX:Wheat
 End 1889
 Score 187

Seq. No. 39836
 Gene No. 82360
 Start 1452
 Name OJ990810_04.0303.C11.o1.tm
 Start 1596
 GI none
 Exons 1596..1856, 1597..1857

Seq. ID OJ990810_04.0303.C11
 Strand -
 End 1891
 Method TBLASTX:Maize
 End 1857
 Score 179

Seq. No. 39837
 Gene No. 82361
 Start 590
 Name OJ990810_04.0303.C12.o1.gs
 Start 590
 GI none
 Exons 590..1384

Seq. ID OJ990810_04.0303.C12
 Strand -
 End 1384
 Method GENSCAN
 End 1384
 Score .97

Seq. No. 39837
 Gene No. 82361
 Start 590
 Name OJ990810_04.0303.C12.o1.np
 Start 593
 GI 6983858
 Exons 593..1384

Seq. ID OJ990810_04.0303.C12
 Strand -
 End 1384
 Method AAT/NAP
 End 1384
 Score 1258

GI Descrip. (AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]

Seq. No. 39838
 Gene No. 82362
 Start 1
 Name OJ990810_04.0303.C13.o1.np
 Start 1
 GI 6539586
 Exons 1..377

Seq. ID OJ990810_04.0303.C13
 Strand +
 End 380
 Method AAT/NAP
 End 377
 Score 578

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No. 39838
 Gene No. 82362
 Start 1
 Name OJ990810_04.0303.C13.o1.gs
 Start 48
 GI none
 Exons 48..380

Seq. ID OJ990810_04.0303.C13
 Strand +
 End 380
 Method GENSCAN
 End 380
 Score .98

Seq. No. 39838
 Gene No. 82363
 Start 1011
 Name OJ990810_04.0303.C13.o2.gs
 Start 1011
 GI none
 Exons 1011..1136

Seq. ID OJ990810_04.0303.C13
 Strand -
 End 1142
 Method GENSCAN
 End 1136
 Score .95

Seq. No.	39838	Seq. ID	OJ990810_04.0303.C13
Gene No.	82363	Strand	-
Start	1011	End	1142
Name	OJ990810_04.0303.C13.o2.np	Method	AAT/NAP
Start	1014	End	1142
GI	6498441	Score	235
Exons	1014..1142		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	39839	Seq. ID	OJ990810_04.0303.C16
Gene No.	82364	Strand	+
Start	63	End	944
Name	OJ990810_04.0303.C16.o1.gs	Method	GENSCAN
Start	63	End	924
GI	none	Score	.8
Exons	63..121, 190..307, 616..924		

Seq. No.	39839	Seq. ID	OJ990810_04.0303.C16
Gene No.	82364	Strand	+
Start	63	End	944
Name	OJ990810_04.0303.C16.o1.gp	Method	AAT/GAP
Start	591	End	944
GI	82047_1.R1084	Score	461
Exons	591..944		

GI Descrip. '4678261|emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'

Seq. No.	39839	Seq. ID	OJ990810_04.0303.C16
Gene No.	82364	Strand	+
Start	63	End	944
Name	OJ990810_04.0303.C16.o1.tm	Method	TBLASTX:Maize
Start	625	End	943
GI	none	Score	208
Exons	625..849, 756..845, 869..943, 869..928		

Seq. No.	39839	Seq. ID	OJ990810_04.0303.C16
Gene No.	82364	Strand	+
Start	63	End	944
Name	OJ990810_04.0303.C16.o1.np	Method	AAT/NAP
Start	667	End	944
GI	7484780	Score	177
Exons	667..944		

GI Descrip. 26S proteasome regulatory particle chain RPN7 homolog F6I7.30 - Arabidopsis thaliana gi|4678261|emb|CAB41122.1| (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] gi|7269333|emb|CAB79392.1| (AL161562) putative proteasome regulatory subunit [Arabidopsis thaliana]

Seq. No.	39839	Seq. ID	OJ990810_04.0303.C16
Gene No.	82364	Strand	+
Start	63	End	944
Name	OJ990810_04.0303.C16.o1.tc	Method	TBLASTX:Cress
Start	673	End	943
GI	none	Score	163
Exons	673..849, 869..943		

Seq. No.	39840	Seq. ID	OJ990810_04.0303.C17
Gene No.	82365	Strand	+
Start	1	End	1320
Name	OJ990810_04.0303.C17.o1.np	Method	AAT/NAP
Start	1	End	1320
GI	7485592	Score	1131
Exons	1..222, 283..1320		
GI Descrip.	hypothetical protein F17A8.10 - Arabidopsis thaliana gi 4538896 emb CAB39633.1 (AL049482) putative protein [Arabidopsis thaliana] gi 7267661 emb CAB78089.1 (AL161515) putative protein [Arabidopsis thaliana]		

Seq. No.	39840	Seq. ID	OJ990810_04.0303.C17
Gene No.	82365	Strand	+
Start	1	End	1320
Name	OJ990810_04.0303.C17.o1.tm	Method	TBLASTX:Maize
Start	118	End	510
GI	none	Score	243
Exons	118..378, 144..356, 145..402, 438..506, 442..510		

Seq. No.	39841	Seq. ID	OJ990810_04.0303.C18
Gene No.	82366	Strand	-
Start	137	End	1229
Name	OJ990810_04.0303.C18.o1.gs	Method	GENSCAN
Start	137	End	1229
GI	none	Score	.48
Exons	137..895, 1190..1229		

Seq. No.	39842	Seq. ID	OJ990810_04.0303.C19
Gene No.	82367	Strand	-
Start	341	End	1381
Name	OJ990810_04.0303.C19.o1.gs	Method	GENSCAN
Start	341	End	1381
GI	none	Score	.68
Exons	341..569, 750..863, 930..1073, 1152..1381		

Seq. No.	39843	Seq. ID	OJ990810_04.0303.C20
Gene No.	82368	Strand	+
Start	4806	End	11063
Name	OJ990810_04.0303.C20.o2.gs	Method	GENSCAN
Start	4806	End	8796
GI	none	Score	.55
Exons	4806..4953, 6345..6448, 7872..8000, 8467..8796		

Seq. No.	39843	Seq. ID	OJ990810_04.0303.C20
Gene No.	82368	Strand	+
Start	4806	End	11063
Name	OJ990810_04.0303.C20.o2.np	Method	AAT/NAP
Start	8334	End	11063
GI	7106512	Score	527
Exons	8334..8393, 8467..9291, 9346..9434, 9675..10228, 10797..11063		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39843	Seq. ID	OJ990810_04.0303.C20
Gene No.	82369	Strand	-

Start	1	End	2276
Name	OJ990810_04.0303.C20.o1.np	Method	AAT/NAP
Start	1	End	1895
GI	7487455	Score	96
Exons	1..23, 1181..1262, 1339..1415, 1464..1603, 1679..1895		
GI Descrip.	hypothetical protein T26M18.70 - Arabidopsis thaliana gi 5002521 emb CAB44324.1 (AL078606) putative protein [Arabidopsis thaliana] gi 7267886 emb CAB78229.1 (AL161532) putative protein [Arabidopsis thaliana]		

Seq. No.	39843	Seq. ID	OJ990810_04.0303.C20
Gene No.	82369	Strand	-
Start	1	End	2276
Name	OJ990810_04.0303.C20.o1.gs	Method	GENSCAN
Start	208	End	2276
GI	none	Score	.75
Exons	208..348, 434..511, 596..677, 752..1029, 1494..1603, 1679..2276		

Seq. No.	39843	Seq. ID	OJ990810_04.0303.C20
Gene No.	82370	Strand	-
Start	8993	End	9238
Name	OJ990810_04.0303.C20.o3.gs	Method	GENSCAN
Start	8993	End	9238
GI	none	Score	.83
Exons	8993..9106, 9164..9238		

Seq. No.	39844	Seq. ID	OJ990810_04.0303.C22
Gene No.	82371	Strand	+
Start	470	End	1174
Name	OJ990810_04.0303.C22.o1.gs	Method	GENSCAN
Start	470	End	1174
GI	none	Score	.63
Exons	470..1174		

Seq. No.	39844	Seq. ID	OJ990810_04.0303.C22
Gene No.	82372	Strand	-
Start	1597	End	2073
Name	OJ990810_04.0303.C22.o2.gs	Method	GENSCAN
Start	1597	End	1992
GI	none	Score	.83
Exons	1597..1992		

Seq. No.	39844	Seq. ID	OJ990810_04.0303.C22
Gene No.	82372	Strand	-
Start	1597	End	2073
Name	OJ990810_04.0303.C22.o1.np	Method	AAT/NAP
Start	1600	End	2073
GI	6983860	Score	794
Exons	1600..2073		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	39844	Seq. ID	OJ990810_04.0303.C22
Gene No.	82372	Strand	-
Start	1597	End	2073
Name	OJ990810_04.0303.C22.o1.tw	Method	TBLASTX:Wheat
Start	1645	End	2067

GI	none	Score	171
Exons	1645..2067, 1697..2047		
Seq. No.	39844	Seq. ID	OJ990810_04.0303.C22
Gene No.	82372	Strand	-
Start	1597	End	2073
Name	OJ990810_04.0303.C22.o1.tm	Method	TBLASTX:Maize
Start	1840	End	2073
GI	none	Score	130
Exons	1840..2073, 1841..2071		
Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o1.np	Method	AAT/NAP
Start	1	End	1271
GI	4680179	Score	1796
Exons	1..1271		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o4.tw	Method	TBLASTX:Wheat
Start	1	End	160
GI	none	Score	234
Exons	1..150, 2..157, 92..160		
Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o2.tm	Method	TBLASTX:Maize
Start	5	End	499
GI	none	Score	159
Exons	5..178, 7..153, 185..499, 325..378, 406..456		
Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o1.gs	Method	GENSCAN
Start	20	End	1257
GI	none	Score	.67
Exons	20..1257		
Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o1.ts	Method	TBLASTX:Soybean
Start	53	End	448
GI	none	Score	57
Exons	53..85, 55..84, 89..448, 91..129, 157..447		
Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o2.tw	Method	TBLASTX:Wheat
Start	161	End	463

GI	none	Score	381
Exons	161..463, 163..447		
Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o1.tw	Method	TBLASTX:Wheat
Start	464	End	967
GI	none	Score	629
Exons	464..967, 496..885		
Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o2.ts	Method	TBLASTX:Soybean
Start	470	End	715
GI	none	Score	207
Exons	470..715, 487..615		
Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o1.tm	Method	TBLASTX:Maize
Start	535	End	898
GI	none	Score	482
Exons	535..885, 536..889, 536..898		
Seq. No.	39845	Seq. ID	OJ990810_04.0303.C24
Gene No.	82373	Strand	+
Start	1	End	1271
Name	OJ990810_04.0303.C24.o3.tw	Method	TBLASTX:Wheat
Start	967	End	1270
GI	none	Score	330
Exons	967..1260, 968..1270, 992..1270		
Seq. No.	39846	Seq. ID	OJ990810_04.0303.C27
Gene No.	82374	Strand	-
Start	264	End	1377
Name	OJ990810_04.0303.C27.o1.gs	Method	GENSCAN
Start	264	End	1377
GI	none	Score	.48
Exons	264..366, 1023..1051, 1141..1377		
Seq. No.	39846	Seq. ID	OJ990810_04.0303.C27
Gene No.	82374	Strand	-
Start	264	End	1377
Name	OJ990810_04.0303.C27.o1.np	Method	AAT/NAP
Start	264	End	1306
GI	7452055	Score	102
Exons	264..360, 949..1306		
GI Descrip.	hypothetical protein T29H11.10 - Arabidopsis thaliana gi 4678341 emb CAB41151.1 (AL049659) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	39847	Seq. ID	OJ990810_04.0303.C28
Gene No.	82375	Strand	+
Start	1	End	159

Name	OJ990810_04.0303.C28.o1.np	Method	AAT/NAP
Start	1	End	159
GI	7523512	Score	174
Exons	1..159		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	39847	Seq. ID	OJ990810_04.0303.C28
Gene No.	82376	Strand	+
Start	797	End	2793
Name	OJ990810_04.0303.C28.o1.gs	Method	GENSCAN
Start	797	End	2786
GI	none	Score	.94
Exons	797..2031, 2153..2786		

Seq. No.	39847	Seq. ID	OJ990810_04.0303.C28
Gene No.	82376	Strand	+
Start	797	End	2793
Name	OJ990810_04.0303.C28.o2.np	Method	AAT/NAP
Start	797	End	2793
GI	5803259	Score	2662
Exons	797..2058, 2153..2793		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39848	Seq. ID	OJ990810_04.0303.C29
Gene No.	82377	Strand	+
Start	1	End	1061
Name	OJ990810_04.0303.C29.o1.np	Method	AAT/NAP
Start	1	End	1061
GI	4220462	Score	369
Exons	1..154, 250..384, 499..818, 920..1061		
GI Descrip.	(AC006216) Strong similarity to gb Z50851 HD-zip (athb-8) gene from Arabidopsis thaliana containing Homeobox PF 00046 and bZIP PF 00170 domains		

Seq. No.	39848	Seq. ID	OJ990810_04.0303.C29
Gene No.	82377	Strand	+
Start	1	End	1061
Name	OJ990810_04.0303.C29.o1.tm	Method	TBLASTX:Maize
Start	74	End	336
GI	none	Score	113
Exons	74..157, 76..153, 228..335, 237..326, 247..336, 247..336		

Seq. No.	39848	Seq. ID	OJ990810_04.0303.C29
Gene No.	82377	Strand	+
Start	1	End	1061
Name	OJ990810_04.0303.C29.o2.tm	Method	TBLASTX:Maize
Start	604	End	1031
GI	none	Score	134
Exons	604..708, 605..736, 784..822, 921..1031		

Seq. No.	39848	Seq. ID	OJ990810_04.0303.C29
Gene No.	82377	Strand	+
Start	1	End	1061
Name	OJ990810_04.0303.C29.o1.gs	Method	GENSCAN
Start	608	End	818
GI	none	Score	.53
Exons	608..818		

Seq. No.	39849	Seq. ID	OJ990810_04.0303.C30
Gene No.	82378	Strand	+
Start	293	End	2876
Name	OJ990810_04.0303.C30.o1.np	Method	AAT/NAP
Start	293	End	2876
GI	5922608	Score	177
Exons	293..328, 1760..1876, 2029..2175, 2853..2876		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		
Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82379	Strand	+
Start	5	End	6660
Name	OJ990810_04.0303.C31.o1.gs	Method	GENSCAN
Start	5	End	6660
GI	none	Score	.4
Exons	5..42, 128..175, 2162..2227, 2300..2331, 4860..4951, 4996..5178, 5397..5505, 6533..6660		
Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82379	Strand	+
Start	5	End	6660
Name	OJ990810_04.0303.C31.o1.np	Method	AAT/NAP
Start	2436	End	3482
GI	7489377	Score	101
Exons	2436..2482, 2572..2671, 3438..3482		
GI Descrip.	hypothetical protein - barley (fragment) gi 3355618 emb CAA03958.1 (AJ000232) unnamed protein product [Hordeum vulgare]		
Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82379	Strand	+
Start	5	End	6660
Name	OJ990810_04.0303.C31.o2.np	Method	AAT/NAP
Start	5109	End	6437
GI	5922608	Score	186
Exons	5109..5178, 5331..5543, 6317..6437		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		
Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82380	Strand	+
Start	14773	End	18601
Name	OJ990810_04.0303.C31.o5.np	Method	AAT/NAP
Start	14773	End	18601
GI	5777623	Score	738
Exons	14773..14840, 15024..15065, 16330..16553, 16951..17545, 18359..18601		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		
Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82380	Strand	+
Start	14773	End	18601
Name	OJ990810_04.0303.C31.o7.np	Method	AAT/NAP
Start	15584	End	18601
GI	5777623	Score	722
Exons	15584..15650, 16339..16553, 16951..17545, 18359..18601		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82381	Strand	+
Start	19262	End	19770
Name	OJ990810_04.0303.C31.o2.gp	Method	AAT/GAP
Start	19262	End	19770
GI	38782_1.R1084	Score	768
Exons	19262..19770		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82382	Strand	+
Start	22804	End	26491
Name	OJ990810_04.0303.C31.o4.gs	Method	GENSCAN
Start	22804	End	26178
GI	none	Score	.82
Exons	22804..22864, 23653..24149, 26101..26178		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82382	Strand	+
Start	22804	End	26491
Name	OJ990810_04.0303.C31.o4.gp	Method	AAT/GAP
Start	23686	End	26491
GI	none	Score	1156
Exons	23686..24149, 26101..26178, 26436..26491		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82383	Strand	-
Start	7843	End	11199
Name	OJ990810_04.0303.C31.o2.gs	Method	GENSCAN
Start	7843	End	11199
GI	none	Score	.87
Exons	7843..8708, 8781..8932, 9172..9248, 9366..9547, 10705..10877, 11189..11199		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82384	Strand	-
Start	13437	End	15334
Name	OJ990810_04.0303.C31.o3.np	Method	AAT/NAP
Start	13437	End	15334
GI	6983857	Score	1352
Exons	13437..13760, 13878..14425, 14593..15153, 15217..15334		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82385	Strand	-
Start	15320	End	20440
Name	OJ990810_04.0303.C31.o4.np	Method	AAT/NAP
Start	15320	End	17822
GI	6983857	Score	943
Exons	15320..15401, 16179..16911, 17082..17642, 17705..17822		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82385	Strand	-
Start	15320	End	20440

Name	OJ990810_04.0303.C31.o1.gp	Method	AAT/GAP
Start	15398	End	15587
GI	5667165	Score	342
Exons	15398..15587		
GI Descrip.	5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82385	Strand	-
Start	15320	End	20440
Name	OJ990810_04.0303.C31.o6.np	Method	AAT/NAP
Start	17453	End	18886
GI	6907088	Score	991
Exons	17453..17840, 18335..18573, 18749..18886		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82385	Strand	-
Start	15320	End	20440
Name	OJ990810_04.0303.C31.o8.np	Method	AAT/NAP
Start	18509	End	20440
GI	4680186	Score	188
Exons	18509..18927, 19854..19913, 20394..20440		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39850	Seq. ID	OJ990810_04.0303.C31
Gene No.	82386	Strand	-
Start	22947	End	23291
Name	OJ990810_04.0303.C31.o3.gp	Method	AAT/GAP
Start	22947	End	23291
GI	none	Score	499
Exons	22947..23291		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o1.np	Method	AAT/NAP
Start	1	End	16986
GI	7488380	Score	933
Exons	1..39, 12395..12485, 12615..12770, 12860..12934, 13017..13123, 13217..13403, 13500..13656, 13753..13830, 13926..14060, 14175..14538, 14658..14721, 16966..16986		
GI Descrip.	transcription factor HD-zip - Arabidopsis thaliana gi 1149569 emb CAA90703.1 (Z50851) HD-zip [Arabidopsis thaliana] gi 7270235 emb CAB80005.1 (AL161582) HD-zip transcription factor (athb-8) [Arabidopsis thaliana]		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o4.gs	Method	GENSCAN
Start	7460	End	15846
GI	none	Score	.5
Exons	7460..7568, 8884..9032, 9200..9340, 9806..10008, 10200..10305, 10398..10571, 10656..10683, 10864..11009, 12276..12485, 12615..12770, 12860..12939, 13217..13403, 13753..13830, 13926..14059, 14243..14508, 15713..15846		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o3.gp	Method	AAT/GAP
Start	9805	End	10185
GI	none	Score	690
Exons	9805..10185		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o4.gp	Method	AAT/GAP
Start	11452	End	11921
GI	none	Score	176
Exons	11452..11482, 11801..11921		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o5.gp	Method	AAT/GAP
Start	12294	End	12917
GI	uC-osroM202005g04b1	Score	501
Exons	12294..12314, 12402..12485, 12615..12770, 12860..12917		
GI Descrip.	'1149569/emb CAA90703 6.0e-18 (Z50851) HD-zip [Arabidopsis thaliana]'		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o6.gp	Method	AAT/GAP
Start	14419	End	15623
GI	10350_1.R1084	Score	2068
Exons	14419..14508, 14610..15623		
GI Descrip.	'5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82387	Strand	+
Start	1	End	16986
Name	OJ990810_04.0303.C32.o7.gp	Method	AAT/GAP
Start	15740	End	15950
GI	LIB3433-019-P1-K1-C7	Score	396
Exons	15740..15950		
GI Descrip.	'2062705/gb U90552 HSU90552 5.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82388	Strand	-
Start	204	End	429
Name	OJ990810_04.0303.C32.o1.gs	Method	GENSCAN
Start	204	End	429
GI	none	Score	.91
Exons	204..346, 369..429		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82389	Strand	-

Start	1011	End	3533
Name	OJ990810_04.0303.C32.o1.gp	Method	AAT/GAP
Start	1011	End	3533
GI	none	Score	3537
Exons	1011..1365, 2062..3533		
Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82389	Strand	-
Start	1011	End	3533
Name	OJ990810_04.0303.C32.o2.gs	Method	GENSCAN
Start	1319	End	3481
GI	none	Score	.94
Exons	1319..1365, 2062..2292, 2323..3481		
Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82390	Strand	-
Start	5775	End	6221
Name	OJ990810_04.0303.C32.o3.gs	Method	GENSCAN
Start	5775	End	6221
GI	none	Score	.47
Exons	5775..5867, 5964..6221		
Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82391	Strand	-
Start	6623	End	7623
Name	OJ990810_04.0303.C32.o2.tw	Method	TBLASTX:Wheat
Start	47	End	2885
GI	none	Score	49
Exons	47..112, 75..134, 88..138, 2465..2500, 2636..2722, 2700..2765, 2702..2764, 2744..2884, 2745..2885		
Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82391	Strand	-
Start	6623	End	7623
Name	OJ990810_04.0303.C32.o2.gp	Method	AAT/GAP
Start	6623	End	7623
GI	17718_1.R1084	Score	1063
Exons	6623..6968, 7347..7623		
GI Descrip.	'6015437/dbj AB008112.1 AB008112 8.0e-10 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82392	Strand	-
Start	12390	End	14742
Name	OJ990810_04.0303.C32.o1.tw	Method	TBLASTX:Wheat
Start	12390	End	12925
GI	none	Score	107
Exons	12390..12491, 12396..12524, 12599..12769, 12609..12770, 12618..12770, 12862..12924, 12863..12925		
Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82392	Strand	-
Start	12390	End	14742
Name	OJ990810_04.0303.C32.o1.tc	Method	TBLASTX:Cress
Start	12396	End	13310
GI	none	Score	117
Exons	12396..12488, 12399..12491, 12605..12769, 12615..12770,		

12857..12934, 12862..12924, 13022..13111, 13182..13310,
13214..13309

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82392	Strand	
Start	12390	End	14742
Name	OJ990810_04.0303.C32.o1.tm	Method	TBLASTX:Maize
Start	12396	End	14742
GI	none	Score	114
Exons	12396..12524, 12437..12484, 12605..12769, 12609..12770, 12862..12933, 12863..12934, 13182..13313, 13214..13312, 13290..13403, 13314..13403, 13500..13559, 13600..13656, 13617..13655, 13752..13805, 13774..13839, 13922..14050, 13923..14054, 14294..14425, 14295..14429, 14479..14529, 14480..14512, 14608..14640, 14659..14742		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82392	Strand	
Start	12390	End	14742
Name	OJ990810_04.0303.C32.o1.ts	Method	TBLASTX:Soybean
Start	12396	End	13313
GI	none	Score	135
Exons	12396..12524, 12437..12487, 12605..12769, 12615..12770, 12857..12934, 12859..12933, 12993..13115, 13019..13108, 13209..13313, 13214..13312		

Seq. No.	39851	Seq. ID	OJ990810_04.0303.C32
Gene No.	82392	Strand	
Start	12390	End	14742
Name	OJ990810_04.0303.C32.o2.ts	Method	TBLASTX:Soybean
Start	13314	End	14009
GI	none	Score	87
Exons	13314..13403, 13319..13402, 13500..13562, 13502..13558, 13543..13656, 13575..13655, 13750..13773, 13774..13839, 13923..14009		

Seq. No.	39852	Seq. ID	OJ990810_04.0303.C33
Gene No.	82393	Strand	+
Start	1	End	575
Name	OJ990810_04.0303.C33.o1.gp	Method	AAT/GAP
Start	1	End	575
GI	10350 1.R1084	Score	1135
Exons	1..575		
GI Descrip.	'5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	39852	Seq. ID	OJ990810_04.0303.C33
Gene No.	82393	Strand	+
Start	1	End	575
Name	OJ990810_04.0303.C33.o1.gs	Method	GENSCAN
Start	78	End	230
GI	none	Score	.65
Exons	78..230		

Seq. No.	39852	Seq. ID	OJ990810_04.0303.C33
Gene No.	82394	Strand	-
Start	2473	End	3001

Name	OJ990810_04.0303.C33.o2.gs	Method	GENSCAN
Start	2473	End	3001
GI	none	Score	.61
Exons	2473..2538, 2798..3001		

Seq. No.	39853	Seq. ID	OJ990810_04.0303.C34
Gene No.	82395	Strand	+
Start	1334	End	1800
Name	OJ990810_04.0303.C34.o1.gp	Method	AAT/GAP
Start	1334	End	1800
GI	none	Score	885
Exons	1334..1800		

Seq. No.	39853	Seq. ID	OJ990810_04.0303.C34
Gene No.	82396	Strand	+
Start	1951	End	2099
Name	OJ990810_04.0303.C34.o1.np	Method	AAT/NAP
Start	1951	End	2099
GI	4567201	Score	97
Exons	1951..2099		
GI Descrip.	(AC007168) putative aspartate aminotransferase [Arabidopsis thaliana]		

Seq. No.	39853	Seq. ID	OJ990810_04.0303.C34
Gene No.	82397	Strand	+
Start	2597	End	4912
Name	OJ990810_04.0303.C34.o2.gs	Method	GENSCAN
Start	2597	End	4779
GI	none	Score	.51
Exons	2597..2869, 2981..3149, 3318..3506, 3511..3697, 3768..3831, 3883..4423, 4607..4779		

Seq. No.	39853	Seq. ID	OJ990810_04.0303.C34
Gene No.	82397	Strand	+
Start	2597	End	4912
Name	OJ990810_04.0303.C34.o3.np	Method	AAT/NAP
Start	2946	End	4912
GI	6721561	Score	593
Exons	2946..3014, 3515..3697, 3767..3824, 3912..4346, 4880..4912		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39854	Seq. ID	OJ990810_04.0303.C35
Gene No.	82398	Strand	+
Start	1	End	602
Name	OJ990810_04.0303.C35.o1.np	Method	AAT/NAP
Start	1	End	544
GI	5922636	Score	241
Exons	1..118, 411..544		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016869 dbj BAA85212.1 (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39854	Seq. ID	OJ990810_04.0303.C35
Gene No.	82398	Strand	+
Start	1	End	602
Name	OJ990810_04.0303.C35.o1.gs	Method	GENSCAN
Start	128	End	602
GI	none	Score	.69
Exons	128..308, 310..602		

Seq. No.	39855	Seq. ID	OJ990810_04.0303.C39
Gene No.	82399	Strand	-
Start	494	End	1475
Name	OJ990810_04.0303.C39.o1.np	Method	AAT/NAP
Start	494	End	1475
GI	5091497	Score	74
Exons	494..581, 1243..1475		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82400	Strand	+
Start	1	End	1541
Name	OJ990820_03.0303.C1.o1.np	Method	AAT/NAP
Start	1	End	1538
GI	7106528	Score	105
Exons	1..48, 1406..1538		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82400	Strand	+
Start	1	End	1541
Name	OJ990820_03.0303.C1.o1.gs	Method	GENSCAN
Start	89	End	1541
GI	none	Score	.67
Exons	89..199, 1422..1541		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o2.np	Method	AAT/NAP
Start	364	End	3566
GI	4680203	Score	914
Exons	364..385, 2822..3566		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o1.gp	Method	AAT/GAP
Start	2833	End	3523
GI	342_1.R1084	Score	1179
Exons	2833..3523		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
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Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	2845	End	3303
GI	none	Score	119
Exons	2845..3039, 3049..3303, 3049..3291		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o1.tw	Method	TBLASTX:Wheat
Start	2879	End	3348
GI	none	Score	160
Exons	2879..3085, 2879..3088, 2884..3087, 2884..3108, 3086..3178, 3088..3186, 3089..3181, 3190..3294, 3194..3295, 3292..3348, 3296..3340		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o1.tc	Method	TBLASTX:Cress
Start	3136	End	3484
GI	none	Score	83
Exons	3136..3477, 3155..3283, 3332..3382, 3410..3484		

Seq. No.	39856	Seq. ID	OJ990820_03.0303.C1
Gene No.	82401	Strand	-
Start	364	End	3566
Name	OJ990820_03.0303.C1.o1.ts	Method	TBLASTX:Soybean
Start	3217	End	3513
GI	none	Score	104
Exons	3217..3513, 3230..3481		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82402	Strand	+
Start	12572	End	13523
Name	OJ990820_03.0303.C2.o2.gs	Method	GENSCAN
Start	12572	End	13523
GI	none	Score	.99
Exons	12572..12861, 12884..13523		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82403	Strand	-
Start	1150	End	13284
Name	OJ990820_03.0303.C2.o1.gs	Method	GENSCAN
Start	1150	End	10467
GI	none	Score	.64
Exons	1150..1626, 1749..2456, 2542..2791, 3451..3998, 4004..4157, 4576..5612, 5742..6518, 8633..8666, 9226..9259, 9444..9563, 9825..10078, 10283..10467		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82403	Strand	-
Start	1150	End	13284
Name	OJ990820_03.0303.C2.o1.np	Method	AAT/NAP
Start	3592	End	13284
GI	4680203	Score	1444

Exons 3592..3657, 4623..5519, 5796..6023, 6183..6287, 6357..6488,
9346..10287, 13255..13284
GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82404	Strand	-
Start	13774	End	18242
Name	OJ990820_03.0303.C2.o3.gs	Method	GENSCAN
Start	13774	End	18196
GI	none	Score	.64
Exons	13774..16913, 17101..18196		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82404	Strand	-
Start	13774	End	18242
Name	OJ990820_03.0303.C2.o2.np	Method	AAT/NAP
Start	13777	End	18242
GI	4680179	Score	5642
Exons	13777..18242		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	4704	End	5912
GI	none	Score	75
Exons	4704..4772, 4779..4883, 4786..4878, 4896..5000, 4914..4970, 4989..5144, 5005..5178, 5157..5912, 5383..5667		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o9.tm	Method	TBLASTX:Maize
Start	5008	End	5303
GI	none	Score	77
Exons	5008..5121, 5010..5129, 5133..5303		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	5199	End	5622
GI	none	Score	119
Exons	5199..5621, 5383..5622		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o3.tm	Method	TBLASTX:Maize
Start	5553	End	5936
GI	none	Score	200
Exons	5553..5867, 5556..5867, 5557..5868, 5868..5936		

Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256

Name	OJ990820_03.0303.C2.o12.tw	Method	TBLASTX:Wheat
Start	9547	End	9721
GI	none	Score	112
Exons	9547..9717, 9548..9721		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o2.tc	Method	TBLASTX:Cress
Start	9634	End	9987
GI	none	Score	86
Exons	9634..9987, 9689..9892, 9730..9900		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o7.tm	Method	TBLASTX:Maize
Start	9655	End	9892
GI	none	Score	123
Exons	9655..9858, 9655..9861, 9671..9892		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o6.ts	Method	TBLASTX:Soybean
Start	9715	End	9955
GI	none	Score	109
Exons	9715..9954, 9724..9954, 9734..9955		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o7.tw	Method	TBLASTX:Wheat
Start	9730	End	10314
GI	none	Score	33
Exons	9730..9858, 9822..9857, 9849..9950, 9850..9969, 9856..9975, 9869..9973, 10001..10258, 10019..10108, 10024..10314		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o3.ts	Method	TBLASTX:Soybean
Start	10019	End	10302
GI	none	Score	98
Exons	10019..10279, 10024..10302		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o8.tw	Method	TBLASTX:Wheat
Start	13822	End	14155
GI	none	Score	121
Exons	13822..14154, 13874..14155		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256

Name	OJ990820_03.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	14017	End	14602
GI	none	Score	104
Exons	14017..14442, 14018..14215, 14038..14325, 14270..14443, 14438..14581, 14440..14601, 14447..14602		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o2.tw	Method	TBLASTX:Wheat
Start	14155	End	14781
GI	none	Score	44
Exons	14155..14781, 14156..14215, 14273..14722, 14434..14778		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o4.tm	Method	TBLASTX:Maize
Start	14650	End	14941
GI	none	Score	300
Exons	14650..14940, 14654..14941		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o2.ts	Method	TBLASTX:Soybean
Start	14740	End	15000
GI	none	Score	187
Exons	14740..15000, 14741..14989		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o3.tc	Method	TBLASTX:Cress
Start	14764	End	15090
GI	none	Score	87
Exons	14764..14907, 14765..14905, 14908..15090		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o3.tw	Method	TBLASTX:Wheat
Start	14787	End	15327
GI	none	Score	128
Exons	14787..15041, 14788..15327, 14792..15043, 15095..15145		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256
Name	OJ990820_03.0303.C2.o2.tm	Method	TBLASTX:Maize
Start	15355	End	15708
GI	none	Score	208
Exons	15355..15708, 15362..15703, 15370..15708		
Seq. No.	39857	Seq. ID	OJ990820_03.0303.C2
Gene No.	82405	Strand	-
Start	18465	End	19256

Name OJ990820_03.0303.C2.o4.tw
Start 15355
GI none
Exons 15355..15780, 15362..15778

Method TBLASTX:Wheat
End 15780
Score 312

Seq. No. 39857
Gene No. 82405
Start 18465
Name OJ990820_03.0303.C2.o4.ts
Start 15526
GI none
Exons 15526..15774

Seq. ID OJ990820_03.0303.C2
Strand -
End 19256
Method TBLASTX:Soybean
End 15774
Score 202

Seq. No. 39857
Gene No. 82405
Start 18465
Name OJ990820_03.0303.C2.o6.tm
Start 15715
GI none
Exons 15715..16047, 15716..15994

Seq. ID OJ990820_03.0303.C2
Strand -
End 19256
Method TBLASTX:Maize
End 16047
Score 144

Seq. No. 39857
Gene No. 82405
Start 18465
Name OJ990820_03.0303.C2.o6.tw
Start 15781
GI none
Exons 15781..16044, 15782..16042

Seq. ID OJ990820_03.0303.C2
Strand -
End 19256
Method TBLASTX:Wheat
End 16044
Score 250

Seq. No. 39857
Gene No. 82405
Start 18465
Name OJ990820_03.0303.C2.o1.ts
Start 15796
GI none
Exons 15796..16047, 15806..16039, 16102..16155, 16115..16153, 16159..16191, 16159..16191

Seq. ID OJ990820_03.0303.C2
Strand -
End 19256
Method TBLASTX:Soybean
End 16191
Score 189

Seq. No. 39857
Gene No. 82405
Start 18465
Name OJ990820_03.0303.C2.o5.tm
Start 16102
GI none
Exons 16102..16545, 16115..16549

Seq. ID OJ990820_03.0303.C2
Strand -
End 19256
Method TBLASTX:Maize
End 16549
Score 104

Seq. No. 39857
Gene No. 82405
Start 18465
Name OJ990820_03.0303.C2.o5.tw
Start 16132
GI none
Exons 16132..16614, 16135..16611, 16175..16615

Seq. ID OJ990820_03.0303.C2
Strand -
End 19256
Method TBLASTX:Wheat
End 16615
Score 239

Seq. No. 39857
Gene No. 82405
Start 18465

Seq. ID OJ990820_03.0303.C2
Strand -
End 19256

Name OJ990820_03.0303.C2.o5.ts
 Start 16264
 GI none
 Exons 16264..16578

Method TBLASTX:Soybean
 End 16578
 Score 198

Seq. No. 39857
 Gene No. 82405
 Start 18465
 Name OJ990820_03.0303.C2.o10.tm
 Start 16550
 GI none
 Exons 16550..16705, 16552..16743

Seq. ID OJ990820_03.0303.C2
 Strand -
 End 19256
 Method TBLASTX:Maize
 End 16743
 Score 156

Seq. No. 39857
 Gene No. 82405
 Start 18465
 Name OJ990820_03.0303.C2.o10.tw
 Start 16747
 GI none
 Exons 16747..17058, 16784..16924, 17063..17101

Seq. ID OJ990820_03.0303.C2
 Strand -
 End 19256
 Method TBLASTX:Wheat
 End 17101
 Score 93

Seq. No. 39857
 Gene No. 82405
 Start 18465
 Name OJ990820_03.0303.C2.o9.tw
 Start 17435
 GI none
 Exons 17435..17785

Seq. ID OJ990820_03.0303.C2
 Strand -
 End 19256
 Method TBLASTX:Wheat
 End 17785
 Score 307

Seq. No. 39857
 Gene No. 82405
 Start 18465
 Name OJ990820_03.0303.C2.o8.tm
 Start 17480
 GI none
 Exons 17480..17785

Seq. ID OJ990820_03.0303.C2
 Strand -
 End 19256
 Method TBLASTX:Maize
 End 17785
 Score 240

Seq. No. 39857
 Gene No. 82405
 Start 18465
 Name OJ990820_03.0303.C2.o11.tw
 Start 17837
 GI none
 Exons 17837..18034, 17838..18035

Seq. ID OJ990820_03.0303.C2
 Strand -
 End 19256
 Method TBLASTX:Wheat
 End 18035
 Score 132

Seq. No. 39857
 Gene No. 82405
 Start 18465
 Name OJ990820_03.0303.C2.o4.gs
 Start 18465
 GI none
 Exons 18465..19070

Seq. ID OJ990820_03.0303.C2
 Strand -
 End 19256
 Method GENSCAN
 End 19070
 Score .91

Seq. No. 39857
 Gene No. 82405
 Start 18465
 Name OJ990820_03.0303.C2.o3.np

Seq. ID OJ990820_03.0303.C2
 Strand -
 End 19256
 Method AAT/NAP

Start	18468	End	19256
GI	6983861	Score	1337
Exons	18468..19256		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	39858	Seq. ID	OJ990820_03.0303.C3
Gene No.	82406	Strand	+
Start	1197	End	2285
Name	OJ990820_03.0303.C3.o1.gs	Method	GENSCAN
Start	1197	End	2285
GI	none	Score	.55
Exons	1197..1349, 1788..1872, 2050..2285		

Seq. No.	39859	Seq. ID	OJ990820_03.0303.C4
Gene No.	82407	Strand	+
Start	887	End	1252
Name	OJ990820_03.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	818	End	1233
GI	none	Score	208
Exons	818..1177, 1159..1233		

Seq. No.	39859	Seq. ID	OJ990820_03.0303.C4
Gene No.	82407	Strand	+
Start	887	End	1252
Name	OJ990820_03.0303.C4.o1.np	Method	AAT/NAP
Start	887	End	1252
GI	7489553	Score	512
Exons	887..1252		
GI Descrip.	probable reverse transcriptase - rice (fragment) gi 2462640 emb CAA73800.1 (Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82408	Strand	+
Start	285	End	553
Name	OJ990820_03.0303.C5.o1.gs	Method	GENSCAN
Start	285	End	553
GI	none	Score	.44
Exons	285..359, 384..553		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82409	Strand	+
Start	3049	End	4629
Name	OJ990820_03.0303.C5.o2.gs	Method	GENSCAN
Start	3049	End	4629
GI	none	Score	.67
Exons	3049..3107, 3155..3298, 3303..3392, 3797..3912, 3936..4027, 4465..4629		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82410	Strand	+
Start	6199	End	10944
Name	OJ990820_03.0303.C5.o3.gs	Method	GENSCAN
Start	6199	End	10944
GI	none	Score	.52
Exons	6199..6292, 6811..6929, 8302..8433, 9497..9579, 9833..9894,		

10595..10654, 10805..10944

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82411	Strand	+
Start	14488	End	15373
Name	OJ990820_03.0303.C5.o5.gs	Method	GENSCAN
Start	14488	End	15373
GI	none	Score	.5
Exons	14488..14537, 14912..15043, 15208..15373		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82412	Strand	+
Start	16559	End	17150
Name	OJ990820_03.0303.C5.o1.gp	Method	AAT/GAP
Start	16559	End	17150
GI	4879016	Score	857
Exons	16559..16665, 16688..17150		
GI Descrip.	6041757/gb AC011806.1 AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82413	Strand	-
Start	1	End	15653
Name	OJ990820_03.0303.C5.o2.np	Method	AAT/NAP
Start	1	End	15653
GI	5042447	Score	854
Exons	1..24, 11984..12213, 15022..15653		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82414	Strand	-
Start	15981	End	16283
Name	OJ990820_03.0303.C5.o2.tm	Method	TBLASTX:Maize
Start	6	End	430
GI	none	Score	110
Exons	6..140, 163..249, 164..250, 314..430, 319..396		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82414	Strand	-
Start	15981	End	16283
Name	OJ990820_03.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	607	End	993
GI	none	Score	55
Exons	607..666, 658..750, 664..993		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82414	Strand	-
Start	15981	End	16283
Name	OJ990820_03.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	15023	End	15385
GI	none	Score	88
Exons	15023..15385, 15027..15353		

Seq. No.	39860	Seq. ID	OJ990820_03.0303.C5
Gene No.	82414	Strand	-
Start	15981	End	16283

Name OJ990820_03.0303.C5.o6.gs
Start 15981
GI none
Exons 15981..16283

Method GENSCAN
End 16283
Score .91

Seq. No. 39861
Gene No. 82415
Start 44
Name OJ990820_03.0303.C6.o1.gs
Start 44
GI none
Exons 44..362, 467..525, 592..799, 1175..1632

Seq. ID OJ990820_03.0303.C6
Strand +
End 2992
Method GENSCAN
End 1632
Score .44

Seq. No. 39861
Gene No. 82415
Start 44
Name OJ990820_03.0303.C6.o2.np
Start 1281
GI 7488857
Exons 1281..1709, 2973..2992

Seq. ID OJ990820_03.0303.C6
Strand +
End 2992
Method AAT/NAP
End 2992
Score 139

GI Descrip. hypothetical protein - fava bean (fragment)
gi|2522230|dbj|BAA22788.1| (AB007467) retrotransposon-like gene;
the first amino acid was determined to be leucine [Vicia faba]

Seq. No. 39861
Gene No. 82416
Start 3616
Name OJ990820_03.0303.C6.o1.ts
Start 86
GI none
Exons 86..190, 121..189, 218..301, 301..495

Seq. ID OJ990820_03.0303.C6
Strand -
End 3822
Method TBLASTX:Soybean
End 495
Score 70

Seq. No. 39861
Gene No. 82416
Start 3616
Name OJ990820_03.0303.C6.o1.tw
Start 86
GI none
Exons 86..202, 218..292, 301..432

Seq. ID OJ990820_03.0303.C6
Strand -
End 3822
Method TBLASTX:Wheat
End 432
Score 107

Seq. No. 39861
Gene No. 82416
Start 3616
Name OJ990820_03.0303.C6.o2.tw
Start 1276
GI none
Exons 1276..1455, 1498..1608, 1569..1607

Seq. ID OJ990820_03.0303.C6
Strand -
End 3822
Method TBLASTX:Wheat
End 1608
Score 116

Seq. No. 39861
Gene No. 82416
Start 3616
Name OJ990820_03.0303.C6.o2.gs
Start 3616
GI none
Exons 3616..3822

Seq. ID OJ990820_03.0303.C6
Strand -
End 3822
Method GENSCAN
End 3822
Score .5

Seq. No. 39862

Seq. ID OJ990820_03.0303.C7

Gene No. 82417
 Start. 306
 Name OJ990820_03.0303.C7.o1.gs
 Start 306
 GI none
 Exons 306..500, 1201..1281

Strand -
 End 1501
 Method GENSCAN
 End 1281
 Score .42

Seq. No. 39862
 Gene No. 82417
 Start. 306
 Name OJ990820_03.0303.C7.o1.np
 Start 353
 GI 5852181
 Exons 353..500, 1457..1501
 GI Descrip. (AL117265) zhb0011.1 [Oryza sativa]

Seq. ID OJ990820_03.0303.C7
 Strand -
 End 1501
 Method AAT/NAP
 End 1501
 Score 134

Seq. No. 39863
 Gene No. 82418
 Start 1296
 Name OJ990820_03.0303.C8.o1.gs
 Start 1296
 GI none
 Exons 1296..1559

Seq. ID OJ990820_03.0303.C8
 Strand +
 End 1559
 Method GENSCAN
 End 1559
 Score .8

Seq. No. 39864
 Gene No. 82419
 Start 101
 Name OJ990820_03.0303.C9.o1.gs
 Start 101
 GI none
 Exons 101..186, 773..899

Seq. ID OJ990820_03.0303.C9
 Strand +
 End 899
 Method GENSCAN
 End 899
 Score .65

Seq. No. 39865
 Gene No. 82420
 Start 12420
 Name OJ990820_03.0303.C18.o2.gs
 Start 12420
 GI none
 Exons 12420..13256

Seq. ID OJ990820_03.0303.C18
 Strand +
 End 13256
 Method GENSCAN
 End 13256
 Score .99

Seq. No. 39865
 Gene No. 82421
 Start 284
 Name OJ990820_03.0303.C18.o1.gs
 Start 284
 GI none
 Exons 284..4861, 7013..7059, 7522..7749, 7841..8126, 8304..8343, 10093..10100

Seq. ID OJ990820_03.0303.C18
 Strand -
 End 10100
 Method GENSCAN
 End 10100
 Score .88

Seq. No. 39865
 Gene No. 82421
 Start 284
 Name OJ990820_03.0303.C18.o9.tm
 Start 311
 GI none
 Exons 311..523

Seq. ID OJ990820_03.0303.C18
 Strand -
 End 10100
 Method TBLASTX:Maize
 End 523
 Score 201

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o6.tw	Method	TBLASTX:Wheat
Start	332	End	665
GI	none	Score	77
Exons	332..664, 528..665		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o1.tm	Method	TBLASTX:Maize
Start	524	End	1111
GI	none	Score	182
Exons	524..793, 525..785, 854..952, 855..950, 884..952, 950..1111, 957..1103, 959..1105		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o1.tw	Method	TBLASTX:Wheat
Start	665	End	1291
GI	none	Score	358
Exons	665..1291, 666..1235		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o3.tm	Method	TBLASTX:Maize
Start	1160	End	1452
GI	none	Score	161
Exons	1160..1450, 1164..1349, 1169..1381, 1261..1452		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o2.ts	Method	TBLASTX:Soybean
Start	1250	End	1510
GI	none	Score	54
Exons	1250..1318, 1250..1510, 1404..1505		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o1.tc	Method	TBLASTX:Cress
Start	1274	End	1600
GI	none	Score	64
Exons	1274..1417, 1275..1352, 1418..1600		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o3.tw	Method	TBLASTX:Wheat
Start	1298	End	1777
GI	none	Score	219
Exons	1298..1777, 1299..1682, 1304..1759		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o2.tw	Method	TBLASTX:Wheat
Start	1781	End	2290
GI	none	Score	304
Exons	1781..2290, 1872..2258		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o2.tm	Method	TBLASTX:Maize
Start	1865	End	2218
GI	none	Score	139
Exons	1865..2218, 1880..2176, 1950..2216		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o3.ts	Method	TBLASTX:Soybean
Start	2039	End	2281
GI	none	Score	197
Exons	2039..2281		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o5.tm	Method	TBLASTX:Maize
Start	2219	End	2572
GI	none	Score	117
Exons	2219..2572, 2301..2561		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o5.tw	Method	TBLASTX:Wheat
Start	2291	End	2593
GI	none	Score	201
Exons	2291..2593, 2292..2555		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o1.ts	Method	TBLASTX:Soybean
Start	2305	End	2701
GI	none	Score	126
Exons	2305..2658, 2306..2665, 2307..2549, 2524..2658, 2588..2662, 2669..2701, 2669..2701		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o4.tm	Method	TBLASTX:Maize
Start	2588	End	3059
GI	none	Score	90
Exons	2588..3055, 2621..2965, 2814..3059		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o4.tw	Method	TBLASTX:Wheat
Start	2642	End	3128
GI	none	Score	319
Exons	2642..3124, 2685..3128		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o4.ts	Method	TBLASTX:Soybean
Start	2774	End	3055
GI	none	Score	183
Exons	2774..3055		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o8.tw	Method	TBLASTX:Wheat
Start	3299	End	3653
GI	none	Score	79
Exons	3299..3652, 3338..3469, 3513..3653		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o8.tm	Method	TBLASTX:Maize
Start	3386	End	3706
GI	none	Score	203
Exons	3386..3706		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o7.tm	Method	TBLASTX:Maize
Start	4055	End	4351
GI	none	Score	111
Exons	4055..4351, 4164..4334		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82421	Strand	-
Start	284	End	10100
Name	OJ990820_03.0303.C18.o7.tw	Method	TBLASTX:Wheat
Start	4232	End	4595
GI	none	Score	84
Exons	4232..4591, 4233..4466, 4491..4595		

Seq. No.	39865	Seq. ID	OJ990820_03.0303.C18
Gene No.	82422	Strand	-
Start	12504	End	12950
Name	OJ990820_03.0303.C18.o6.tm	Method	TBLASTX:Maize
Start	12504	End	12950
GI	none	Score	170
Exons	12504..12725, 12507..12599, 12669..12728, 12798..12935, 12810..12950, 12830..12949		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82423	Strand	+
Start	1	End	7470
Name	OJ990820_03.0303.C19.o1.np	Method	AAT/NAP
Start	1	End	2536
GI	7340860	Score	65
Exons	1..22, 1031..1117, 2511..2536		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82423	Strand	+
Start	1	End	7470
Name	OJ990820_03.0303.C19.o2.np	Method	AAT/NAP
Start	100	End	5388
GI	5295955	Score	646
Exons	100..138, 2604..2752, 3295..3409, 4089..4224, 4313..4614, 4694..4732, 4771..5252, 5279..5388		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82423	Strand	+
Start	1	End	7470
Name	OJ990820_03.0303.C19.o2.gs	Method	GENSCAN
Start	1192	End	7392
GI	none	Score	.45
Exons	1192..1247, 1691..1817, 2683..2820, 3359..3418, 4149..4406, 4618..4808, 4813..4861, 5065..5220, 6571..6716, 6761..6851, 7168..7392		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82423	Strand	+
Start	1	End	7470
Name	OJ990820_03.0303.C19.o4.np	Method	AAT/NAP
Start	6700	End	7470
GI	5817303	Score	105
Exons	6700..6851, 7150..7229, 7431..7470		
GI Descrip.	(AF087819) auxin transport protein [Arabidopsis thaliana]		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82424	Strand	-
Start	47	End	605
Name	OJ990820_03.0303.C19.o1.gs	Method	GENSCAN
Start	47	End	605
GI	none	Score	.6
Exons	47..201, 269..605		

Seq. No.	39866	Seq. ID	OJ990820_03.0303.C19
Gene No.	82425	Strand	-
Start	6232	End	7470
Name	OJ990820_03.0303.C19.o3.np	Method	AAT/NAP
Start	6232	End	7470
GI	7242910	Score	83
Exons	6232..6328, 7420..7470		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o1.gs	Method	GENSCAN
Start	22	End	791
GI	none	Score	.42
Exons	22..151, 166..791		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o1.np	Method	AAT/NAP
Start	41	End	1280
GI	6466937	Score	772
Exons	41..1280		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o2.tm	Method	TBLASTX:Maize
Start	146	End	722
GI	none	Score	54
Exons	146..295, 158..235, 159..722, 160..516, 396..722		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o1.tw	Method	TBLASTX:Wheat
Start	357	End	698
GI	none	Score	91
Exons	357..698, 406..600, 492..692		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o1.tm	Method	TBLASTX:Maize
Start	765	End	1280
GI	none	Score	107
Exons	765..1124, 765..1124, 766..1125, 1102..1158, 1160..1279, 1161..1280		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o2.tw	Method	TBLASTX:Wheat
Start	765	End	1124
GI	none	Score	265
Exons	765..1124		

Seq. No.	39867	Seq. ID	OJ990820_03.0303.C20
Gene No.	82426	Strand	-
Start	22	End	1280
Name	OJ990820_03.0303.C20.o1.ts	Method	TBLASTX:Soybean
Start	867	End	1237
GI	none	Score	42

Exons 867..917, 868..906, 903..968, 910..969, 990..1115, 1003..1107, 1006..1125, 1205..1237

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82427	Strand	-
Start	1	End	4407
Name	OJ990820_03.0303.C21.o1.np	Method	AAT/NAP
Start	1	End	4407
GI	6466937	Score	1369
Exons	1..2084, 2121..2757, 4363..4407		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82427	Strand	-
Start	1	End	4407
Name	OJ990820_03.0303.C21.o1.gp	Method	AAT/GAP
Start	3218	End	3471
GI	569996	Score	484
Exons	3218..3471		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o4.tm	Method	TBLASTX:Maize
Start	36	End	212
GI	none	Score	110
Exons	36..212, 51..212		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o2.ts	Method	TBLASTX:Soybean
Start	210	End	453
GI	none	Score	66
Exons	210..452, 255..398, 304..453		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o2.tm	Method	TBLASTX:Maize
Start	213	End	735
GI	none	Score	235
Exons	213..734, 214..546, 625..735		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o2.tw	Method	TBLASTX:Wheat
Start	363	End	764
GI	none	Score	104
Exons	363..764, 423..740		

Seq. No.	39868	Seq. ID	OJ990820_03.0303.C21
Gene No.	82428	Strand	-
Start	7538	End	8893
Name	OJ990820_03.0303.C21.o1.ts	Method	TBLASTX:Soybean

Start 477
GI none
Exons 477..836

End 836
Score 322

Seq. No. 39868
Gene No. 82428
Start 7538
Name OJ990820_03.0303.C21.o1.tm
Start 759
GI none
Exons 759..1232, 762..962, 769..999, 1014..1232

Seq. ID OJ990820_03.0303.C21
Strand -
End 8893
Method TBLASTX:Maize
End 1232
Score 85

Seq. No. 39868
Gene No. 82428
Start 7538
Name OJ990820_03.0303.C21.o1.tw
Start 813
GI none
Exons 813..1295, 817..1197

Seq. ID OJ990820_03.0303.C21
Strand -
End 8893
Method TBLASTX:Wheat
End 1295
Score 118

Seq. No. 39868
Gene No. 82428
Start 7538
Name OJ990820_03.0303.C21.o3.ts
Start 945
GI none
Exons 945..1259

Seq. ID OJ990820_03.0303.C21
Strand -
End 8893
Method TBLASTX:Soybean
End 1259
Score 189

Seq. No. 39868
Gene No. 82428
Start 7538
Name OJ990820_03.0303.C21.o3.tm
Start 1284
GI none
Exons 1284..1418, 1497..1592, 1680..1922, 1989..2135

Seq. ID OJ990820_03.0303.C21
Strand -
End 8893
Method TBLASTX:Maize
End 2135
Score 120

Seq. No. 39868
Gene No. 82428
Start 7538
Name OJ990820_03.0303.C21.o3.gs
Start 7538
GI none
Exons 7538..7605, 8863..8893

Seq. ID OJ990820_03.0303.C21
Strand -
End 8893
Method GENSCAN
End 8893
Score .41

Seq. No. 39869
Gene No. 82429
Start 1
Name OJ990820_03.0303.C22.o1.np
Start 1
GI 4680203
Exons 1..472
GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. ID OJ990820_03.0303.C22
Strand -
End 472
Method AAT/NAP
End 472
Score 194

Seq. No. 39869
Gene No. 82430
Start 488
Name OJ990820_03.0303.C22.o1.tw

Seq. ID OJ990820_03.0303.C22
Strand -
End 662
Method TBLASTX:Wheat

Start 201
GI none
Exons 201..494

End 494
Score 174

Seq. No. 39869
Gene No. 82430
Start 488
Name OJ990820_03.0303.C22.o1.ts
Start 207
GI none
Exons 207..476

Seq. ID OJ990820_03.0303.C22
Strand -
End 662
Method TBLASTX:Soybean
End 476
Score 235

Seq. No. 39869
Gene No. 82430
Start 488
Name OJ990820_03.0303.C22.o1.gs
Start 488
GI none
Exons 488..662

Seq. ID OJ990820_03.0303.C22
Strand -
End 662
Method GENSCAN
End 662
Score .84

Seq. No. 39870
Gene No. 82431
Start 2229
Name OJ990820_03.0303.C27.o2.gs
Start 2229
GI none
Exons 2229..2444, 2515..2640, 3109..3201, 3293..3374, 3396..3478

Seq. ID OJ990820_03.0303.C27
Strand +
End 3478
Method GENSCAN
End 3478
Score .67

Seq. No. 39870
Gene No. 82432
Start 2366
Name OJ990820_03.0303.C27.o1.np
Start 2366
GI 7340909
Exons 2366..2628
GI Descrip. (AP001550) hypothetical protein [Oryza sativa]

Seq. ID OJ990820_03.0303.C27
Strand -
End 2628
Method AAT/NAP
End 2628
Score 165

Seq. No. 39870
Gene No. 82433
Start 4937
Name OJ990820_03.0303.C27.o3.gs
Start 4937
GI none
Exons 4937..5200

Seq. ID OJ990820_03.0303.C27
Strand -
End 5200
Method GENSCAN
End 5200
Score .64

Seq. No. 39871
Gene No. 82434
Start 3721
Name OJ990820_03.0303.C29.o1.np
Start 3721
GI 7228450
Exons 3721..3932, 4066..4206, 4292..4405
GI Descrip. (AP001366) hypothetical protein [Oryza sativa]

Seq. ID OJ990820_03.0303.C29
Strand +
End 4405
Method AAT/NAP
End 4405
Score 277

Seq. No. 39871
Gene No. 82435
Start 5095

Seq. ID OJ990820_03.0303.C29
Strand +
End 7261

Name	OJ990820_03.0303.C29.o2.gs	Method	GENSCAN
Start	5095	End	7261
GI	none	Score	.92
Exons	5095..5215, 6068..6156, 6543..6653, 7073..7261		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82436	Strand	+
Start	10990	End	11724
Name	OJ990820_03.0303.C29.o3.gs	Method	GENSCAN
Start	10990	End	11724
GI	none	Score	.78
Exons	10990..11014, 11615..11724		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82437	Strand	+
Start	12628	End	15495
Name	OJ990820_03.0303.C29.o4.gs	Method	GENSCAN
Start	12628	End	15495
GI	none	Score	.63
Exons	12628..13407, 13568..13887, 13971..14270, 14366..14594, 14859..15033, 15215..15495		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82438	Strand	-
Start	118	End	3859
Name	OJ990820_03.0303.C29.o1.gs	Method	GENSCAN
Start	118	End	3859
GI	none	Score	.77
Exons	118..267, 3062..3228, 3835..3859		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82439	Strand	-
Start	15928	End	21972
Name	OJ990820_03.0303.C29.o2.np	Method	AAT/NAP
Start	15928	End	21972
GI	5922631	Score	6423
Exons	15928..18421, 19028..19954, 20081..20231, 20274..20837, 20883..21086, 21345..21589, 21848..21972		

GI Descrip. (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o13.tw	Method	TBLASTX:Wheat
Start	12748	End	13038
GI	none	Score	204
Exons	12748..13038		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588

Name	OJ990820_03.0303.C29.o5.tw	Method	TBLASTX:Wheat
Start	15904	End	16512
GI	none	Score	82
Exons	15904..16512, 16220..16357, 16430..16492		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o6.tm	Method	TBLASTX:Maize
Start	15943	End	16188
GI	none	Score	105
Exons	15943..16044, 15944..16045, 16048..16188, 16055..16144		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o7.tm	Method	TBLASTX:Maize
Start	16414	End	26581
GI	none	Score	65
Exons	16414..16557, 26139..26294, 26280..26357, 26372..26581, 26418..26513		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o7.tw	Method	TBLASTX:Wheat
Start	16625	End	17010
GI	none	Score	56
Exons	16625..16672, 16627..17010, 16703..17005		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o1.tm	Method	TBLASTX:Maize
Start	16657	End	17021
GI	none	Score	258
Exons	16657..16704, 16696..17019, 16709..16999, 16761..17021		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o11.tw	Method	TBLASTX:Wheat
Start	17161	End	17460
GI	none	Score	108
Exons	17161..17460, 17300..17455		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o9.tw	Method	TBLASTX:Wheat
Start	17463	End	17855
GI	none	Score	83
Exons	17463..17594, 17465..17593, 17624..17854, 17649..17855		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588

Name	OJ990820_03.0303.C29.o3.tm	Method	TBLASTX:Maize
Start	17852	End	18294
GI	none	Score	150
Exons	17852..17878, 17876..18013, 18039..18293, 18040..18294		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o6.tw	Method	TBLASTX:Wheat
Start	18016	End	18440
GI	none	Score	249
Exons	18016..18396, 18021..18440		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o2.ts	Method	TBLASTX:Soybean
Start	18021	End	18362
GI	none	Score	56
Exons	18021..18362, 18022..18165, 18048..18329, 18202..18345		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o2.tm	Method	TBLASTX:Maize
Start	18525	End	18881
GI	none	Score	177
Exons	18525..18881, 18535..18840		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o3.tw	Method	TBLASTX:Wheat
Start	18555	End	19011
GI	none	Score	266
Exons	18555..19010, 18556..19011		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o8.tw	Method	TBLASTX:Wheat
Start	19231	End	19688
GI	none	Score	68
Exons	19231..19350, 19233..19463, 19290..19457, 19378..19467, 19512..19688		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o10.tw	Method	TBLASTX:Wheat
Start	20268	End	20670
GI	none	Score	66
Exons	20268..20669, 20566..20670		
Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588

Name	OJ990820_03.0303.C29.o3.np	Method	AAT/NAP
Start	24313	End	26588
GI	2443320	Score	3192
Exons	24313..26588		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o2.tw	Method	TBLASTX:Wheat
Start	24352	End	24839
GI	none	Score	136
Exons	24352..24537, 24353..24544, 24540..24839, 24543..24833, 24550..24834		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o5.tm	Method	TBLASTX:Maize
Start	24370	End	24935
GI	none	Score	203
Exons	24370..24543, 24594..24935		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o3.ts	Method	TBLASTX:Soybean
Start	24588	End	24941
GI	none	Score	67
Exons	24588..24941, 24640..24747		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o1.tw	Method	TBLASTX:Wheat
Start	24912	End	25713
GI	none	Score	352
Exons	24912..25376, 24913..25368, 25352..25702, 25359..25712, 25366..25713		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o4.tm	Method	TBLASTX:Maize
Start	25275	End	25707
GI	none	Score	145
Exons	25275..25688, 25342..25707		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o1.ts	Method	TBLASTX:Soybean
Start	25393	End	25841
GI	5509260	Score	47
Exons	25393..25446, 25401..25841, 25471..25551, 25585..25788		
GI Descrip.	-		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o1.tc	Method	TBLASTX:Cress
Start	25488	End	25752
GI	none	Score	95
Exons	25488..25751, 25576..25752		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o12.tw	Method	TBLASTX:Wheat
Start	25716	End	25907
GI	none	Score	122
Exons	25716..25898, 25716..25907		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o4.ts	Method	TBLASTX:Soybean
Start	26160	End	26542
GI	none	Score	41
Exons	26160..26294, 26280..26360, 26296..26361, 26372..26542, 26400..26540		

Seq. No.	39871	Seq. ID	OJ990820_03.0303.C29
Gene No.	82440	Strand	-
Start	24313	End	26588
Name	OJ990820_03.0303.C29.o4.tw	Method	TBLASTX:Wheat
Start	26166	End	26588
GI	none	Score	134
Exons	26166..26366, 26176..26367, 26366..26578, 26367..26588		

Seq. No.	39872	Seq. ID	OJ990820_03.0303.C30
Gene No.	82441	Strand	-
Start	1	End	1266
Name	OJ990820_03.0303.C30.o1.np	Method	AAT/NAP
Start	1	End	1266
GI	2443320	Score	1515
Exons	1..1266		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	39872	Seq. ID	OJ990820_03.0303.C30
Gene No.	82441	Strand	-
Start	1	End	1266
Name	OJ990820_03.0303.C30.o1.tw	Method	TBLASTX:Wheat
Start	8	End	406
GI	none	Score	132
Exons	8..277, 14..313, 15..314, 310..405, 311..406		

Seq. No.	39872	Seq. ID	OJ990820_03.0303.C30
Gene No.	82441	Strand	-
Start	1	End	1266
Name	OJ990820_03.0303.C30.o1.gs	Method	GENSCAN
Start	233	End	1263
GI	none	Score	.54
Exons	233..312, 408..1263		

Seq. No.	39872	Seq. ID	OJ990820_03.0303.C30
Gene No.	82441	Strand	-
Start	1	End	1266
Name	OJ990820_03.0303.C30.o2.tw	Method	TBLASTX:Wheat
Start	722	End	1068
GI	none	Score	62
Exons	722..934, 724..1068		
Seq. No.	39873	Seq. ID	OJ990820_03.0303.C31
Gene No.	82442	Strand	+
Start	3829	End	4288
Name	OJ990820_03.0303.C31.o2.gs	Method	GENSCAN
Start	3829	End	4288
GI	none	Score	.52
Exons	3829..3944, 4201..4288		
Seq. No.	39874	Seq. ID	OJ990820_03.0303.C32
Gene No.	82443	Strand	+
Start	197	End	661
Name	OJ990820_03.0303.C32.o1.gs	Method	GENSCAN
Start	197	End	661
GI	none	Score	.62
Exons	197..318, 487..661		
Seq. No.	39874	Seq. ID	OJ990820_03.0303.C32
Gene No.	82444	Strand	+
Start	1099	End	1482
Name	OJ990820_03.0303.C32.o2.gp	Method	AAT/GAP
Start	1099	End	1482
GI	uC-osflcyp033a04b1	Score	657
Exons	1099..1482		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	39874	Seq. ID	OJ990820_03.0303.C32
Gene No.	82445	Strand	-
Start	1	End	6146
Name	OJ990820_03.0303.C32.o1.np	Method	AAT/NAP
Start	1	End	6146
GI	5852180	Score	468
Exons	1..172, 224..340, 1332..1389, 1619..1676, 6063..6146		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	39875	Seq. ID	OJ990820_03.0303.C33
Gene No.	82446	Strand	+
Start	46	End	216
Name	OJ990820_03.0303.C33.o1.gs	Method	GENSCAN
Start	46	End	216
GI	none	Score	.48
Exons	46..216		
Seq. No.	39876	Seq. ID	OJ000129_33.0403.C2
Gene No.	82447	Strand	+
Start	1	End	1449
Name	OJ000129_33.0403.C2.o1.np	Method	AAT/NAP
Start	1	End	1357

GI 130582 Score 31
 Exons 1..19, 1223..1357
 GI Descrip. RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94
 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE]
 gi|100342|pir||S04273 hypothetical protein - common tobacco
 gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]

Seq. No. 39876 Seq. ID OJ000129_33.0403.C2
 Gene No. 82447 Strand +
 Start 1 End 1449
 Name OJ000129_33.0403.C2.o1.gs Method GENSCAN
 Start 223 End 1449
 GI none Score .45
 Exons 223..287, 578..669, 1223..1449

Seq. No. 39876 Seq. ID OJ000129_33.0403.C2
 Gene No. 82448 Strand -
 Start 1 End 3707
 Name OJ000129_33.0403.C2.o2.np Method AAT/NAP
 Start 1 End 3707
 GI 7106512 Score 80
 Exons 1..26, 3526..3574, 3647..3707
 GI Descrip. (AP001278) EST C98429(E0138) corresponds to a region of the
 predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 39877 Seq. ID OJ000129_33.0403.C3
 Gene No. 82449 Strand -
 Start 1 End 636
 Name OJ000129_33.0403.C3.o1.np Method AAT/NAP
 Start 1 End 636
 GI 2498930 Score 706
 Exons 1..408, 576..636
 GI Descrip. DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION
 PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No. 39878 Seq. ID OJ000129_33.0403.C5
 Gene No. 82450 Strand +
 Start 326 End 818
 Name OJ000129_33.0403.C5.o1.tm Method TBLASTX:Maize
 Start 323 End 503
 GI none Score 280
 Exons 323..502, 324..503

Seq. No. 39878 Seq. ID OJ000129_33.0403.C5
 Gene No. 82450 Strand +
 Start 326 End 818
 Name OJ000129_33.0403.C5.o1.ts Method TBLASTX:Soybean
 Start 323 End 503
 GI none Score 263
 Exons 323..502, 324..503

Seq. No. 39878 Seq. ID OJ000129_33.0403.C5
 Gene No. 82450 Strand +
 Start 326 End 818
 Name OJ000129_33.0403.C5.o1.gp Method AAT/GAP
 Start 326 End 818
 GI 17442_1.R1084 Score 321

Exons	326..510, 792..818		
GI Descrip.	'118304/sp P19572 DCDA PSEAE 6.0e-69 DIAMINOPIMELATE DECARBOXYLASE (DAP DECARBOXYLASE) >gi_77626_pir_A31133 diaminopimelate decarboxylase (EC 4.1.1.20) - Pseudomonas aeruginosa'		
Seq. No.	39878	Seq. ID	OJ000129_33.0403.C5
Gene No.	82450	Strand	+
Start	326	End	818
Name	OJ000129_33.0403.C5.o1.np	Method	AAT/NAP
Start	326	End	818
GI	7428336	Score	59
Exons	326..506, 788..818		
GI Descrip.	diaminopimelate decarboxylase (EC 4.1.1.20) - Archaeoglobus fulgidus gi 2649806 gb AAB90438.1 (AE001049) diaminopimelate decarboxylase (lysA) [Archaeoglobus fulgidus]		
Seq. No.	39878	Seq. ID	OJ000129_33.0403.C5
Gene No.	82450	Strand	+
Start	326	End	818
Name	OJ000129_33.0403.C5.o1.gs	Method	GENSCAN
Start	326	End	500
GI	none	Score	.81
Exons	326..500		
Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82451	Strand	+
Start	3395	End	5061
Name	OJ000129_33.0403.C6.o2.np	Method	AAT/NAP
Start	3395	End	5061
GI	6907087	Score	734
Exons	3395..4408, 4960..5061		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82452	Strand	+
Start	5528	End	5909
Name	OJ000129_33.0403.C6.o1.gp	Method	AAT/GAP
Start	5528	End	5909
GI	uC-osflcyp033a04b1	Score	667
Exons	5528..5909		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82453	Strand	+
Start	7190	End	12638
Name	OJ000129_33.0403.C6.o4.np	Method	AAT/NAP
Start	7190	End	11102
GI	6983860	Score	616
Exons	7190..7968, 8167..8402, 11062..11102		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		
Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6

Gene No.	82453	Strand	+
Start	7190	End	12638
Name	OJ000129_33.0403.C6.o5.np	Method	AAT/NAP
Start	8347	End	12638
GI	130582	Score	51
Exons	8347..8402, 12601..12638		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi 100342 pir S04273 hypothetical protein - common tobacco gi 20045 emb CAA32025 (X13777) ORF [Nicotiana tabacum]		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82454	Strand	-
Start	2437	End	7405
Name	OJ000129_33.0403.C6.o1.np	Method	AAT/NAP
Start	2437	End	6249
GI	6630685	Score	850
Exons	2437..3071, 6203..6249		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82454	Strand	-
Start	2437	End	7405
Name	OJ000129_33.0403.C6.o3.np	Method	AAT/NAP
Start	5457	End	7405
GI	4680186	Score	243
Exons	5457..5661, 7383..7405		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82455	Strand	-
Start	10566	End	10830
Name	OJ000129_33.0403.C6.o3.gp	Method	AAT/GAP
Start	10566	End	10830
GI	61605_3.R1084	Score	376
Exons	10566..10830		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o1.tm	Method	TBLASTX:Maize
Start	2428	End	3056
GI	none	Score	59
Exons	2428..2550, 2429..2545, 2434..2547, 2556..2939, 2559..2744, 2578..2934, 2654..2953, 2829..3056, 2948..3055		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o1.ts	Method	TBLASTX:Soybean
Start	2577	End	3055
GI	none	Score	71
Exons	2577..2684, 2706..2939, 2710..2883, 2948..3055		

Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o1.tw	Method	TBLASTX:Wheat
Start	7388	End	7747
GI	none	Score	258
Exons	7388..7747, 7390..7743		
Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o2.tm	Method	TBLASTX:Maize
Start	7628	End	7927
GI	none	Score	214
Exons	7628..7927, 7642..7731		
Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o6.np	Method	AAT/NAP
Start	11192	End	14704
GI	6063554	Score	510
Exons	11192..11366, 11999..12026, 12350..12572, 12690..12968, 14625..14704		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o4.gp	Method	AAT/GAP
Start	11352	End	11780
GI	2428185	Score	648
Exons	11352..11780		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	39879	Seq. ID	OJ000129_33.0403.C6
Gene No.	82456	Strand	-
Start	11192	End	14704
Name	OJ000129_33.0403.C6.o5.gp	Method	AAT/GAP
Start	11796	End	12532
GI	101153_1.R1084	Score	694
Exons	11796..12026, 12350..12532		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82457	Strand	+
Start	3410	End	4505
Name	OJ000129_33.0403.C7.o3.np	Method	AAT/NAP
Start	3410	End	4505
GI	4680186	Score	381
Exons	3410..3465, 4305..4505		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o4.tm	Method	TBLASTX:Maize
Start	474	End	736
GI	none	Score	239
Exons	474..716, 476..736		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o3.ts	Method	TBLASTX:Soybean
Start	474	End	752
GI	none	Score	101
Exons	474..752, 476..739		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.np	Method	AAT/NAP
Start	476	End	2714
GI	6630685	Score	2563
Exons	476..1583, 1703..2714		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716): [Oryza sativa]		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.gs	Method	GENSCAN
Start	527	End	4260
GI	none	Score	.42
Exons	527..749, 918..1076, 1197..1421, 1600..1710, 1849..2786, 3150..3301, 4185..4260		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o2.tm	Method	TBLASTX:Maize
Start	758	End	1225
GI	none	Score	410
Exons	758..1225, 759..1220, 760..1221		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.ts	Method	TBLASTX:Soybean
Start	887	End	1493
GI	5509260	Score	90
Exons	887..1267, 893..1117, 978..1268, 1232..1492, 1274..1492, 1443..1493		
GI Descrip.	-		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.tw	Method	TBLASTX:Wheat

Start	899	End	1351
GI	none	Score	172
Exons	899..1243, 913..1248, 978..1244, 1244..1276, 1277..1351		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.tc	Method	TBLASTX:Cress
Start	1004	End	1285
GI	none	Score	67
Exons	1004..1285, 1023..1205		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o3.tm	Method	TBLASTX:Maize
Start	1226	End	1531
GI	none	Score	254
Exons	1226..1531, 1227..1517, 1229..1519		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.tm	Method	TBLASTX:Maize
Start	1815	End	2509
GI	none	Score	330
Exons	1815..2435, 1820..2356, 1854..2435, 1858..2436, 2434..2508, 2436..2507, 2441..2509		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o3.tw	Method	TBLASTX:Wheat
Start	1854	End	2084
GI	none	Score	80
Exons	1854..1994, 1854..1970, 1858..2007, 2013..2084		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o2.ts	Method	TBLASTX:Soybean
Start	1866	End	2327
GI	none	Score	65
Exons	1866..1967, 2016..2327, 2122..2307		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o2.tw	Method	TBLASTX:Wheat
Start	2172	End	2630
GI	none	Score	113
Exons	2172..2456, 2173..2460, 2458..2484, 2460..2483, 2496..2630, 2515..2622		
Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179

Name	OJ000129_33.0403.C7.o5.tm	Method	TBLASTX:Maize
Start	2622	End	2891
GI	none	Score	76
Exons	2622..2822, 2643..2828, 2707..2832, 2707..2838, 2824..2886, 2838..2891, 2838..2888		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o2.np	Method	AAT/NAP
Start	2802	End	5179
GI	4416301	Score	88
Exons	2802..2967, 5106..5179		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	39880	Seq. ID	OJ000129_33.0403.C7
Gene No.	82458	Strand	-
Start	476	End	5179
Name	OJ000129_33.0403.C7.o1.gp	Method	AAT/GAP
Start	4057	End	4438
GI	uC-osflcyp033a04b1	Score	663
Exons	4057..4438		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82459	Strand	+
Start	4515	End	6463
Name	OJ000129_33.0403.C8.o2.np	Method	AAT/NAP
Start	4515	End	6463
GI	4680186	Score	208
Exons	4515..4550, 6262..6463		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82460	Strand	+
Start	8673	End	10154
Name	OJ000129_33.0403.C8.o4.gs	Method	GENSCAN
Start	8673	End	10154
GI	none	Score	.66
Exons	8673..8681, 9184..9478, 9581..10012, 10069..10154		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82461	Strand	-
Start	261	End	2096
Name	OJ000129_33.0403.C8.o1.gs	Method	GENSCAN
Start	261	End	2096
GI	none	Score	.99
Exons	261..2096		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82461	Strand	-
Start	261	End	2096
Name	OJ000129_33.0403.C8.o1.np	Method	AAT/NAP
Start	294	End	2003
GI	7489737	Score	596
Exons	294..421, 497..986, 1050..2003		

GI Descrip. gag protein homolog - maize retrotransposon Opie-2
gi|3645898|gb|AAC49501.1| (U68408) in-frame stop codon; possibly
a post-transposition mutation [Zea mays]

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82462	Strand	-
Start	3701	End	4744
Name	OJ000129_33.0403.C8.o2.gs	Method	GENSCAN
Start	3701	End	4744
GI	none	Score	.66
Exons	3701..4744		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82463	Strand	-
Start	5519	End	10075
Name	OJ000129_33.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	1386	End	1790
GI	none	Score	72
Exons	1386..1790, 1399..1689, 1527..1751		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82463	Strand	-
Start	5519	End	10075
Name	OJ000129_33.0403.C8.o3.gs	Method	GENSCAN
Start	5519	End	8119
GI	none	Score	.42
Exons	5519..5585, 6345..6451, 7421..8119		

Seq. No.	39881	Seq. ID	OJ000129_33.0403.C8
Gene No.	82463	Strand	-
Start	5519	End	10075
Name	OJ000129_33.0403.C8.o3.np	Method	AAT/NAP
Start	6858	End	10075
GI	6907087	Score	523
Exons	6858..6959, 7499..8110, 10036..10075		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39882	Seq. ID	OJ000129_33.0403.C9
Gene No.	82464	Strand	-
Start	432	End	480
Name	OJ000129_33.0403.C9.o1.gs	Method	GENSCAN
Start	432	End	480
GI	none	Score	.41
Exons	432..480		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82465	Strand	+
Start	310	End	1392
Name	OJ000129_33.0403.C10.o1.gs	Method	GENSCAN
Start	310	End	1392
GI	none	Score	.6
Exons	310..386, 1293..1392		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82466	Strand	+

Start	18658	End	22205
Name	OJ000129_33.0403.C10.o1.gp	Method	AAT/GAP
Start	18588	End	19072
GI	uC-osflcyp032e11b1	Score	954
Exons	18588..19072		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-50 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82466	Strand	+
Start	18658	End	22205
Name	OJ000129_33.0403.C10.o3.np	Method	AAT/NAP
Start	18652	End	19891
GI	7485887	Score	380
Exons	18652..19301, 19353..19469, 19608..19891		
GI Descrip.	hypothetical protein F20M13.270 - Arabidopsis thaliana gi 4467158 emb CAB37527.1 (AL035540) putative protein [Arabidopsis thaliana] gi 7270854 emb CAB80535.1 (AL161593) putative protein [Arabidopsis thaliana]		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82466	Strand	+
Start	18658	End	22205
Name	OJ000129_33.0403.C10.o4.gs	Method	GENSCAN
Start	18658	End	19983
GI	none	Score	.82
Exons	18658..19983		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82466	Strand	+
Start	18658	End	22205
Name	OJ000129_33.0403.C10.o2.gp	Method	AAT/GAP
Start	19812	End	22205
GI	uC-osflcyp032e05a1	Score	954
Exons	19812..19970, 21878..22205		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82467	Strand	-
Start	1022	End	3294
Name	OJ000129_33.0403.C10.o1.np	Method	AAT/NAP
Start	1022	End	3294
GI	862343	Score	142
Exons	1022..1099, 3118..3294		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi 1092097 prf 2022314A granule cell marker protein [Mus musculus] gi 1092098 prf 2022315A granule cell marker protein [Mus musculus]		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82468	Strand	-
Start	3443	End	8788
Name	OJ000129_33.0403.C10.o2.gs	Method	GENSCAN
Start	3443	End	8788
GI	none	Score	.55
Exons	3443..3616, 3702..3800, 4197..4400, 4497..4731, 4972..5182,		

6044..6125, 6387..6497, 6599..6769, 6806..7321, 7514..7838,
7854..8788

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82469	Strand	-
Start	10037	End	14778
Name	OJ000129_33.0403.C10.o3.gs	Method	GENSCAN
Start	10037	End	14778
GI	none	Score	.67
Exons	10037..10226, 10445..10544, 10738..10867, 11503..11724, 11873..12037, 12358..12759, 12862..13830, 13966..14477, 14559..14778		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82469	Strand	-
Start	10037	End	14778
Name	OJ000129_33.0403.C10.o2.np	Method	AAT/NAP
Start	11473	End	14778
GI	4680203	Score	3040
Exons	11473..12444, 12721..12951, 13105..14778		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o5.tw	Method	TBLASTX:Wheat
Start	7742	End	8081
GI	none	Score	82
Exons	7742..7774, 7778..7918, 7779..7859, 7913..8080, 7932..8081		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o1.tw	Method	TBLASTX:Wheat
Start	11533	End	12838
GI	none	Score	47
Exons	11533..11643, 11558..11593, 11608..11673, 11624..11683, 11651..11689, 11693..11770, 11695..11775, 11731..11778, 11742..11879, 11780..11809, 11816..11875, 11882..11923, 11885..11923, 11886..11927, 11887..11949, 11921..12328, 11937..12329, 12321..12836, 12355..12837, 12359..12838		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o1.tc	Method	TBLASTX:Cress
Start	12103	End	12550
GI	none	Score	106
Exons	12103..12279, 12104..12253, 12125..12328, 12138..12329, 12291..12539, 12349..12546, 12355..12546, 12359..12550, 12410..12550		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o4.tm	Method	TBLASTX:Maize
Start	12481	End	12795

GI	none	Score	129
Exons	12481..12795, 12509..12784		
Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o3.tw	Method	TBLASTX:Wheat
Start	12839	End	13249
GI	none	Score	75
Exons	12839..12925, 12841..12930, 12841..12924, 12957..13160, 12958..13200, 12998..13180, 13186..13248, 13199..13249		
Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o3.tm	Method	TBLASTX:Maize
Start	13354	End	13816
GI	none	Score	105
Exons	13354..13548, 13558..13800, 13559..13816		
Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o2.tw	Method	TBLASTX:Wheat
Start	13388	End	13857
GI	none	Score	133
Exons	13388..13624, 13393..13617, 13592..13687, 13597..13695, 13598..13690, 13699..13803, 13703..13804, 13801..13857, 13805..13849		
Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o3.tc	Method	TBLASTX:Cress
Start	13645	End	13987
GI	none	Score	86
Exons	13645..13986, 13649..13792, 13841..13987		
Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o2.ts	Method	TBLASTX:Soybean
Start	13726	End	14155
GI	none	Score	87
Exons	13726..14022, 13744..13890, 13936..13968, 14072..14155, 14080..14154		
Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o4.tw	Method	TBLASTX:Wheat
Start	14086	End	14453
GI	none	Score	189
Exons	14086..14328, 14087..14329, 14094..14336, 14296..14421, 14334..14453		
Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10

Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o5.tm	Method	TBLASTX:Maize
Start	14181	End	14394
GI	none	Score	113
Exons	14181..14309, 14182..14322, 14183..14308, 14294..14362, 14298..14390, 14323..14394		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o5.gs	Method	GENSCAN
Start	20860	End	32767
GI	none	Score	.54
Exons	20860..21004, 21128..21230, 22299..22395, 24580..24683, 24911..25091, 26384..26802, 27158..27201, 27603..27664, 27789..27878, 27948..28067, 28385..28570, 28720..28881, 32618..32767		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o2.tm	Method	TBLASTX:Maize
Start	23596	End	24643
GI	none	Score	82
Exons	23596..23664, 23803..23889, 23804..23884, 23924..24058, 23932..24024, 23943..24056, 24154..24291, 24154..24243, 24580..24642, 24581..24643		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o4.np	Method	AAT/NAP
Start	23742	End	24729
GI	7291735	Score	218
Exons	23742..23872, 23931..24056, 24155..24240, 24580..24729		
GI Descrip.	(AE003462) CG3209 gene product [Drosophila melanogaster]		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o3.gp	Method	AAT/GAP
Start	27354	End	33025
GI	17442_1.R1084	Score	1862
Exons	27354..27664, 27789..27878, 27948..28067, 28385..28570, 28720..28881, 32618..32773, 33003..33025		
GI Descrip.	'118304/sp P19572 DCDA_PSEAE 6.0e-69 DIAMINOPIMELATE DECARBOXYLASE (DAP DECARBOXYLASE) >gi_77626_pir_A31133 diaminopimelate decarboxylase (EC 4.1.1.20) - Pseudomonas aeruginosa'		

Seq. No.	39883	Seq. ID	OJ000129_33.0403.C10
Gene No.	82470	Strand	-
Start	20860	End	33025
Name	OJ000129_33.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	27539	End	32775
GI	none	Score	78

Exons 27539..27661, 27575..27664, 27579..27665, 27579..27665,
27580..27669, 27777..27878, 27778..27843, 27782..27880,
27788..27880, 27789..27881, 27931..28038, 27942..28034,
27948..28049, 27952..28071, 28043..28069, 28047..28070,
28283..28372, 28325..28570, 28385..28570, 28708..28881,
28714..28899, 28719..28892, 32607..32771, 32612..32770,
32616..32774, 32617..32775, 32638..32775

Seq. No. 39883 Seq. ID OJ000129_33.0403.C10
Gene No. 82470 Strand -
Start 20860 End 33025
Name OJ000129_33.0403.C10.o1.ts Method TBLASTX:Soybean
Start 27582 End 32774
GI none Score 66
Exons 27582..27689, 27587..27664, 27777..27878, 27778..27843,
27779..27880, 27788..27880, 27789..27881, 27948..28040,
27949..28071, 28041..28070, 28385..28570, 28386..28571,
28708..28881, 28718..28882, 32612..32770, 32616..32771,
32691..32774

Seq. No. 39883 Seq. ID OJ000129_33.0403.C10
Gene No. 82470 Strand -
Start 20860 End 33025
Name OJ000129_33.0403.C10.o2.tc Method TBLASTX:Cress
Start 27587 End 28465
GI none Score 53
Exons 27587..27664, 27588..27683, 27777..27878, 27778..27843,
27789..27881, 27969..28049, 27970..28071, 28041..28070,
28385..28420, 28421..28465

Seq. No. 39883 Seq. ID OJ000129_33.0403.C10
Gene No. 82470 Strand -
Start 20860 End 33025
Name OJ000129_33.0403.C10.o5.np Method AAT/NAP
Start 27587 End 28528
GI 6562332 Score 556
Exons 27587..27664, 27789..27878, 27948..28067, 28385..28528
GI Descrip. (AJ249960) diaminopimelate decarboxylase [Arabidopsis thaliana]

Seq. No. 39884 Seq. ID OJ000129_33.0403.C11
Gene No. 82471 Strand -
Start 1 End 360
Name OJ000129_33.0403.C11.o1.gp Method AAT/GAP
Start 1 End 360
GI 17442_1.R1084 Score 720
Exons 1..360
GI Descrip. '118304/sp|P19572|DCDA_PSEAE 6.0e-69 DIAMINOPIMELATE
DECARBOXYLASE (DAP DECARBOXYLASE) >gi_77626_pir_A31133
diaminopimelate decarboxylase (EC 4.1.1.20) - Pseudomonas
aeruginosa'

Seq. No. 39884 Seq. ID OJ000129_33.0403.C11
Gene No. 82471 Strand -
Start 1 End 360
Name OJ000129_33.0403.C11.o1.tm Method TBLASTX:Maize
Start 34 End 344
GI none Score 120

Exons 34..120, 36..125, 57..125, 234..344

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82472	Strand	+
Start	13799	End	19758
Name	OJ000129_33.0403.C12.o3.gs	Method	GENSCAN
Start	13799	End	19758
GI	none	Score	.43
Exons	13799..13927, 15605..15793, 15932..16088, 16454..16568, 18326..18428, 18726..19254, 19317..19426, 19553..19604, 19640..19758		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o2.gs	Method	GENSCAN
Start	7401	End	12979
GI	none	Score	.48
Exons	7401..7562, 7616..7753, 10944..11102, 11204..11516, 11987..12172, 12552..12979		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o1.ts	Method	TBLASTX:Soybean
Start	11440	End	15484
GI	none	Score	96
Exons	11440..11532, 15025..15282, 15335..15484		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o2.tm	Method	TBLASTX:Maize
Start	11440	End	15269
GI	none	Score	81
Exons	11440..11532, 11443..11532, 11444..11533, 11454..11540, 15025..15264, 15028..15258, 15030..15269		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o1.tc	Method	TBLASTX:Cress
Start	11443	End	15520
GI	none	Score	112
Exons	11443..11532, 15028..15141, 15157..15291, 15332..15520		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o1.np	Method	AAT/NAP
Start	12453	End	22844
GI	5852180	Score	149
Exons	12453..12613, 12939..13128, 14103..14171, 22819..22844		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-

Start	7401	End	22844
Name	OJ000129_33.0403.C12.o2.np	Method	AAT/NAP
Start	14968	End	19734
GI	4512618	Score	559
Exons	14968..16068, 17522..17566, 19697..19734		
GI Descrip.	(AC004793) Strong similarity to gi 3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb AF080119 and is a member of the reverse transcriptase family PF 00078.		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o3.tm	Method	TBLASTX:Maize
Start	15302	End	15619
GI	none	Score	96
Exons	15302..15619, 15305..15601, 15366..15608		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o1.tw	Method	TBLASTX:Wheat
Start	15329	End	15685
GI	none	Score	69
Exons	15329..15514, 15366..15512, 15524..15685		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o1.tm	Method	TBLASTX:Maize
Start	15620	End	16044
GI	none	Score	132
Exons	15620..15895, 15623..15895, 15663..15902, 15896..16042, 15908..16042, 16021..16044		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o3.np	Method	AAT/NAP
Start	16071	End	19883
GI	119110	Score	155
Exons	16071..16120, 18659..18721, 18799..19883		
GI Descrip.	EBNA-1 NUCLEAR PROTEIN gi 73987 pir QQBE31 probable nuclear antigen - human herpesvirus 4 (strain B95-8) gi 1334880 emb CAA24816.1 (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o4.np	Method	AAT/NAP
Start	19452	End	22401
GI	4567294	Score	60
Exons	19452..19506, 22180..22401		
GI Descrip.	(AC006918) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	39885	Seq. ID	OJ000129_33.0403.C12
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Gene No.	82473	Strand	-
Start	7401	End	22844
Name	OJ000129_33.0403.C12.o4.gs	Method	GENSCAN
Start	21238	End	22614
GI	none	Score	.75
Exons	21238..21888, 21940..22116, 22522..22614		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82474	Strand	+
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o3.np	Method	AAT/NAP
Start	4994	End	8704
GI	4006913	Score	1067
Exons	4994..5089, 5859..6049, 6135..6234, 6341..6604, 6689..6766, 6863..6964, 7042..7091, 7175..7268, 8150..8704		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana] gi 7270597 emb CAB80315.1 (AL161589) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82474	Strand	+
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o1.gp	Method	AAT/GAP
Start	5399	End	6229
GI	uC-osflM202095g06b1	Score	824
Exons	5399..5493, 5767..6049, 6135..6229		
GI Descrip.	'4914429/emb CAB43632.1 2.0e-29 (AL050351) SEC14-like protein [Arabidopsis thaliana]'		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82474	Strand	+
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o2.gs	Method	GENSCAN
Start	5448	End	8686
GI	none	Score	.83
Exons	5448..5493, 5767..5963, 6338..6604, 6689..6766, 6863..6964, 7042..7091, 7175..7268, 7371..7472, 7584..7700, 8166..8271, 8367..8686		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82474	Strand	+
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o2.gp	Method	AAT/GAP
Start	6311	End	6759
GI	LIB3434-045-P1-K1-E12	Score	595
Exons	6311..6604, 6690..6759		
GI Descrip.	'4874285/gb AAD31348.1 AC007212_4 6.0e-49 (AC007212) putative phosphatidylinositol/phosphatidylcholine transfer protein [Arabidopsis thaliana]'		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82474	Strand	+
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o3.gp	Method	AAT/GAP
Start	8465	End	8704
GI	none	Score	436
Exons	8465..8704		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82475	Strand	-
Start	1	End	3660
Name	OJ000129_33.0403.C13.o2.np	Method	AAT/NAP
Start	1	End	3660
GI	5042463	Score	175
Exons	1..88, 890..971, 1024..1178, 1843..2028, 3623..3660		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82475	Strand	-
Start	1	End	3660
Name	OJ000129_33.0403.C13.o1.np	Method	AAT/NAP
Start	188	End	838
GI	7248393	Score	648
Exons	188..838		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	-
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o1.tm	Method	TBLASTX:Maize
Start	5448	End	8704
GI	none	Score	63
Exons	5448..5492, 5737..5820, 5753..5938, 5754..6050, 5771..6052, 5800..6048, 6132..6236, 6133..6234, 6143..6241, 6330..6482, 6335..6604, 6335..6604, 6337..6606, 6679..6765, 6688..6753, 6689..6772, 6860..6967, 6862..6966, 7027..7095, 7042..7089, 7163..7267, 7170..7271, 7365..7442, 7371..7454, 7440..7478, 7619..7690, 7620..7691, 8139..8255, 8156..8233, 8156..8269, 8160..8252, 8244..8270, 8365..8466, 8366..8467, 8373..8468, 8480..8704, 8499..8699, 8552..8704		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	-
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o1.ts	Method	TBLASTX:Soybean
Start	5795	End	8701
GI	none	Score	61
Exons	5795..5887, 5795..5902, 5883..6050, 5932..5982, 6132..6227, 6133..6234, 6329..6415, 6386..6604, 6398..6604, 6400..6612, 6406..6606, 6677..6772, 6722..6790, 6860..6967, 6862..6966, 7038..7169, 7042..7089, 7163..7213, 7170..7214, 7199..7264, 7200..7277, 8585..8701		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	-
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o3.tc	Method	TBLASTX:Cress
Start	5810	End	6195
GI	none	Score	51
Exons	5810..5893, 5816..5887, 5898..6050, 5916..6050, 6132..6191, 6133..6195, 6134..6193		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	-

Start	5448	End	8704
Name	OJ000129_33.0403.C13.o1.tc	Method	TBLASTX:Cress
Start	6198	End	6579
GI	none	Score	49
Exons	6198..6236, 6199..6234, 6330..6428, 6335..6577, 6335..6433, 6373..6579		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o1.tw	Method	TBLASTX:Wheat
Start	6359	End	7086
GI	none	Score	284
Exons	6359..6604, 6373..6609, 6388..6603, 6689..6790, 6698..6784, 6860..6967, 6861..6971, 6862..6966, 7042..7086		

Seq. No.	39886	Seq. ID	OJ000129_33.0403.C13
Gene No.	82476	Strand	
Start	5448	End	8704
Name	OJ000129_33.0403.C13.o2.tc	Method	TBLASTX:Cress
Start	6860	End	7277
GI	none	Score	165
Exons	6860..6967, 6874..6966, 7042..7086, 7163..7198, 7173..7211, 7199..7267, 7200..7277		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82477	Strand	+
Start	32	End	331
Name	OJ000129_33.0403.C14.o1.gs	Method	GENSCAN
Start	32	End	331
GI	none	Score	.81
Exons	32..70, 314..331		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82478	Strand	+
Start	1653	End	9419
Name	OJ000129_33.0403.C14.o2.gs	Method	GENSCAN
Start	1653	End	9419
GI	none	Score	.68
Exons	1653..2340, 3619..3721, 7531..7724, 8473..8623, 9130..9139, 9315..9419		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82478	Strand	+
Start	1653	End	9419
Name	OJ000129_33.0403.C14.o1.gp	Method	AAT/GAP
Start	3191	End	6058
GI	none	Score	1202
Exons	3191..3464, 3539..3583, 3711..3753, 4499..4564, 5786..6058		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82479	Strand	+
Start	11350	End	11456
Name	OJ000129_33.0403.C14.o3.gp	Method	AAT/GAP
Start	11350	End	11456
GI	5816518	Score	151
Exons	11350..11456		

GI Descrip. 4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA,
similar sequence to Pib gene

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82480	Strand	+
Start	11853	End	14241
Name	OJ000129_33.0403.C14.o1.np	Method	AAT/NAP
Start	11610	End	14241
GI	7106512	Score	936
Exons	11610..11670, 11743..11896, 12093..13334, 13781..14241		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82480	Strand	+
Start	11853	End	14241
Name	OJ000129_33.0403.C14.o4.gs	Method	GENSCAN
Start	11853	End	13278
GI	none	Score	.94
Exons	11853..12137, 12601..13278		

Seq. No.	39887	Seq. ID	OJ000129_33.0403.C14
Gene No.	82481	Strand	-
Start	14027	End	14188
Name	OJ000129_33.0403.C14.o5.gs	Method	GENSCAN
Start	14027	End	14188
GI	none	Score	.96
Exons	14027..14188		

Seq. No.	39888	Seq. ID	OJ000129_33.0403.C15
Gene No.	82482	Strand	+
Start	1	End	1060
Name	OJ000129_33.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	1060
GI	7106512	Score	1025
Exons	1..958, 1013..1060		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	39888	Seq. ID	OJ000129_33.0403.C15
Gene No.	82482	Strand	+
Start	1	End	1060
Name	OJ000129_33.0403.C15.o1.gs	Method	GENSCAN
Start	12	End	978
GI	none	Score	.65
Exons	12..357, 425..978		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82483	Strand	+
Start	699	End	1858
Name	OJ000229_21.0410.C2.o1.gp	Method	AAT/GAP
Start	699	End	1858
GI	342_1.R1084	Score	127
Exons	699..793, 1831..1858		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82484	Strand	+
Start	3180	End	7051
Name	OJ000229_21.0410.C2.o3.gs	Method	GENSCAN
Start	3180	End	7051
GI	none	Score	.93
Exons	3180..3330, 4440..4619, 4724..5003, 5313..5466, 6325..6375, 6490..6513, 7043..7051		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82485	Strand	+
Start	11424	End	13581
Name	OJ000229_21.0410.C2.o2.np	Method	AAT/NAP
Start	11393	End	13456
GI	4454470	Score	1616
Exons	11393..11600, 12033..13456		
GI Descrip.	(AC006234) putative sugar transporter [Arabidopsis thaliana]		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82485	Strand	+
Start	11424	End	13581
Name	OJ000229_21.0410.C2.o5.gs	Method	GENSCAN
Start	11424	End	13471
GI	none	Score	.55
Exons	11424..11592, 12069..13471		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82485	Strand	+
Start	11424	End	13581
Name	OJ000229_21.0410.C2.o2.gp	Method	AAT/GAP
Start	13021	End	13581
GI	69911_1.R1084	Score	1069
Exons	13021..13581		
GI Descrip.	'4544451/gb AAD22359.1 AC006592_16 7.0e-55 (AC006592) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82486	Strand	-
Start	1	End	2518
Name	OJ000229_21.0410.C2.o1.np	Method	AAT/NAP
Start	1	End	2482
GI	7484871	Score	588
Exons	1..281, 826..1132, 2323..2482		
GI Descrip.	cim1 protein homolog F26K10.130 - Arabidopsis thaliana gi 7269679 emb CAB79627.1 (AL161572) putative beta-expansin/allergen protein [Arabidopsis thaliana]		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82486	Strand	-
Start	1	End	2518
Name	OJ000229_21.0410.C2.o1.gs	Method	GENSCAN
Start	152	End	1864
GI	none	Score	.79
Exons	152..281, 826..1132, 1639..1864		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82486	Strand	-

Start 1
 Name OJ000229_21.0410.C2.o2.gs
 Start 2243
 GI none
 Exons 2243..2289, 2323..2518

End 2518
 Method GENSCAN
 End 2518
 Score .98

Seq. No. 39889
 Gene No. 82487
 Start 8408
 Name OJ000229_21.0410.C2.o4.gs
 Start 8408
 GI none
 Exons 8408..8490, 8613..8637, 8964..9098, 9110..9409

Seq. ID OJ000229_21.0410.C2
 Strand -
 End 9409
 Method GENSCAN
 End 9409
 Score .43

Seq. No. 39889
 Gene No. 82488
 Start 14196
 Name OJ000229_21.0410.C2.o6.gs
 Start 14196
 GI none
 Exons 14196..15533

Seq. ID OJ000229_21.0410.C2
 Strand -
 End 15533
 Method GENSCAN
 End 15533
 Score .65

Seq. No. 39889
 Gene No. 82488
 Start 14196
 Name OJ000229_21.0410.C2.o3.np
 Start 14202
 GI 6751693
 Exons 14202..15073
 GI Descrip. (AC018908) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ000229_21.0410.C2
 Strand -
 End 15533
 Method AAT/NAP
 End 15073
 Score 774

Seq. No. 39889
 Gene No. 82489
 Start 15546
 Name OJ000229_21.0410.C2.o3.gp
 Start 15546
 GI 3061212
 Exons 15546..15847

Seq. ID OJ000229_21.0410.C2
 Strand -
 End 15847
 Method AAT/GAP
 End 15847
 Score 575

Seq. No. 39889
 Gene No. 82490
 Start 16997
 Name OJ000229_21.0410.C2.o6.tm
 Start 134
 GI none
 Exons 134..292, 825..1133, 886..1050, 1093..1134

Seq. ID OJ000229_21.0410.C2
 Strand -
 End 17991
 Method TBLASTX:Maize
 End 1134
 Score 128

Seq. No. 39889
 Gene No. 82490
 Start 16997
 Name OJ000229_21.0410.C2.o5.ts
 Start 140
 GI none
 Exons 140..292, 825..923, 948..1133, 949..1134, 1189..1254, 2321..2380

Seq. ID OJ000229_21.0410.C2
 Strand -
 End 17991
 Method TBLASTX:Soybean
 End 2380
 Score 107

Seq. No. 39889
 Gene No. 82490

Seq. ID OJ000229_21.0410.C2
 Strand -

Start	16997	End	17991
Name	OJ000229_21.0410.C2.o2.tc	Method	TBLASTX:Cress
Start	897	End	2377
GI	none	Score	198
Exons	897..941, 948..1133, 949..1134, 2321..2377		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o2.ts	Method	TBLASTX:Soybean
Start	9366	End	13378
GI	none	Score	66
Exons	9366..9422, 11517..11591, 12023..12634, 12067..12630, 13238..13378		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o1.tm	Method	TBLASTX:Maize
Start	12026	End	12613
GI	none	Score	506
Exons	12026..12613, 12067..12612		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o4.tc	Method	TBLASTX:Cress
Start	12211	End	12616
GI	none	Score	238
Exons	12211..12435, 12212..12616		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o2.tw	Method	TBLASTX:Wheat
Start	12442	End	12616
GI	none	Score	184
Exons	12442..12615, 12443..12616		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o1.ts	Method	TBLASTX:Soybean
Start	12643	End	13236
GI	none	Score	166
Exons	12643..13002, 12698..13039, 12703..13008, 13053..13187, 13058..13234, 13063..13236		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o2.tm	Method	TBLASTX:Maize
Start	12728	End	13378
GI	none	Score	279
Exons	12728..13036, 12736..13035, 13067..13378, 13099..13377		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
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Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o3.tc	Method	TBLASTX:Cress
Start	12803	End	13032
GI	none	Score	279
Exons	12803..13024, 12805..13026, 12892..13032		
Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o1.tc	Method	TBLASTX:Cress
Start	13072	End	13417
GI	none	Score	336
Exons	13072..13350, 13073..13351, 13082..13351, 13334..13417, 13355..13417		
Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o1.tw	Method	TBLASTX:Wheat
Start	13112	End	13381
GI	none	Score	188
Exons	13112..13381, 13234..13377		
Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o5.tm	Method	TBLASTX:Maize
Start	14233	End	14451
GI	none	Score	224
Exons	14233..14451, 14234..14335, 14235..14450		
Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o7.tm	Method	TBLASTX:Maize
Start	14826	End	15072
GI	none	Score	106
Exons	14826..15071, 14827..15072		
Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o3.ts	Method	TBLASTX:Soybean
Start	16993	End	17264
GI	none	Score	117
Exons	16993..17262, 16995..17129, 16997..17191, 16997..17263, 17208..17264		
Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o7.gs	Method	GENSCAN
Start	16997	End	17755
GI	none	Score	.6
Exons	16997..17335, 17444..17755		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o4.np	Method	AAT/NAP
Start	17000	End	17991
GI	4454471	Score	862
Exons	17000..17335, 17444..17755, 17874..17991		
GI Descrip.	(AC006234) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o5.tc	Method	TBLASTX:Cress
Start	17003	End	17317
GI	none	Score	132
Exons	17003..17098, 17123..17317		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o3.tm	Method	TBLASTX:Maize
Start	17006	End	17275
GI	none	Score	108
Exons	17006..17275, 17013..17129, 17015..17275		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o4.ts	Method	TBLASTX:Soybean
Start	17439	End	17964
GI	none	Score	96
Exons	17439..17504, 17441..17545, 17534..17722, 17546..17701, 17622..17705, 17886..17963, 17887..17964		

Seq. No.	39889	Seq. ID	OJ000229_21.0410.C2
Gene No.	82490	Strand	-
Start	16997	End	17991
Name	OJ000229_21.0410.C2.o4.tm	Method	TBLASTX:Maize
Start	17450	End	17755
GI	none	Score	200
Exons	17450..17698, 17451..17699, 17462..17701, 17484..17699, 17702..17755		

Seq. No.	39890	Seq. ID	OJ000229_21.0410.C3
Gene No.	82491	Strand	+
Start	1271	End	2567
Name	OJ000229_21.0410.C3.o2.np	Method	AAT/NAP
Start	1271	End	2567
GI	6721547	Score	100
Exons	1271..1355, 2533..2567		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	39890	Seq. ID	OJ000229_21.0410.C3
Gene No.	82492	Strand	-
Start	143	End	514
Name	OJ000229_21.0410.C3.o1.np	Method	AAT/NAP
Start	143	End	514

GI 7510076 Score 93
 Exons 143..514
 GI Descrip. hypothetical protein Y50E8A.i - Caenorhabditis elegans

 Seq. No. 39890 Seq. ID OJ000229_21.0410.C3
 Gene No. 82493 Strand -
 Start 1951 End 2567
 Name OJ000229_21.0410.C3.o3.np Method AAT/NAP
 Start 1951 End 2567
 GI 6862952 Score 186
 Exons 1951..2062, 2166..2337, 2446..2567
 GI Descrip. (AC019018) putative G protein-coupled receptor [Arabidopsis thaliana]

Seq. No. 39891 Seq. ID OJ000229_21.0410.C6
 Gene No. 82494 Strand +
 Start 202 End 1128
 Name OJ000229_21.0410.C6.o1.gs Method GENSCAN
 Start 202 End 1128
 GI none Score .5
 Exons 202..309, 399..587, 719..845, 986..1128

Seq. No. 39891 Seq. ID OJ000229_21.0410.C6
 Gene No. 82495 Strand -
 Start 1886 End 4445
 Name OJ000229_21.0410.C6.o1.tm Method TBLASTX:Maize
 Start 198 End 943
 GI none Score 203
 Exons 198..308, 202..309, 386..652, 396..656, 657..722, 661..732, 804..854, 838..888, 896..943

Seq. No. 39891 Seq. ID OJ000229_21.0410.C6
 Gene No. 82495 Strand -
 Start 1886 End 4445
 Name OJ000229_21.0410.C6.o1.ts Method TBLASTX:Soybean
 Start 213 End 542
 GI none Score 148
 Exons 213..308, 229..309, 246..317, 383..535, 386..523, 396..542, 396..542

Seq. No. 39891 Seq. ID OJ000229_21.0410.C6
 Gene No. 82495 Strand -
 Start 1886 End 4445
 Name OJ000229_21.0410.C6.o1.tc Method TBLASTX:Cress
 Start 471 End 650
 GI none Score 216
 Exons 471..650, 480..650

Seq. No. 39891 Seq. ID OJ000229_21.0410.C6
 Gene No. 82495 Strand -
 Start 1886 End 4445
 Name OJ000229_21.0410.C6.o2.gs Method GENSCAN
 Start 1886 End 4445
 GI none Score .75
 Exons 1886..2007, 2488..2665, 3426..3901, 4015..4130, 4180..4445

Seq. No. 39891 Seq. ID OJ000229_21.0410.C6

Gene No.	82495	Strand	-
Start	1886	End	4445
Name	OJ000229_21.0410.C6.o2.np	Method	AAT/NAP
Start	1886	End	4142
GI	5903067	Score	801
Exons	1886..2007, 2106..2175, 2263..2345, 2488..2665, 3426..3901, 4015..4142		
GI Descrip.	(AC008016) F6D8.25 [Arabidopsis thaliana]		

Seq. No.	39891	Seq. ID	OJ000229_21.0410.C6
Gene No.	82495	Strand	-
Start	1886	End	4445
Name	OJ000229_21.0410.C6.o2.tm	Method	TBLASTX:Maize
Start	2627	End	3689
GI	none	Score	59
Exons	2627..2665, 2628..2666, 3425..3514, 3426..3524, 3426..3572, 3449..3559, 3576..3608, 3577..3615, 3654..3689		

Seq. No.	39891	Seq. ID	OJ000229_21.0410.C6
Gene No.	82495	Strand	-
Start	1886	End	4445
Name	OJ000229_21.0410.C6.o2.ts	Method	TBLASTX:Soybean
Start	3522	End	4070
GI	none	Score	99
Exons	3522..3608, 3660..3794, 3690..3779, 3819..3899, 3820..3900, 4013..4069, 4014..4070		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82496	Strand	+
Start	7946	End	9359
Name	OJ000229_21.0410.C9.o2.gs	Method	GENSCAN
Start	7946	End	9359
GI	none	Score	.84
Exons	7946..8056, 8532..8878, 8924..9359		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82497	Strand	+
Start	23058	End	23634
Name	OJ000229_21.0410.C9.o3.np	Method	AAT/NAP
Start	23058	End	23634
GI	5091507	Score	315
Exons	23058..23220, 23271..23314, 23517..23634		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82498	Strand	+
Start	25070	End	25374
Name	OJ000229_21.0410.C9.o6.gs	Method	GENSCAN
Start	25070	End	25374
GI	none	Score	.95
Exons	25070..25255, 25306..25374		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82499	Strand	-
Start	18	End	4705
Name	OJ000229_21.0410.C9.o1.gs	Method	GENSCAN
Start	18	End	4705

GI	none	Score	.85
Exons	18..78, 1824..1919, 2667..3584, 3680..4705		
Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82500	Strand	-
Start	12521	End	13179
Name	OJ000229_21.0410.C9.o1.gp	Method	AAT/GAP
Start	12284	End	12999
GI	58152_1.R1084	Score	1395
Exons	12284..12999		
GI Descrip..	'1362192/pir JT0703 4.0e-23 ferredoxin--thioredoxin reductase (EC 1.18.-.-) variable chain - maize'		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82500	Strand	-
Start	12521	End	13179
Name	OJ000229_21.0410.C9.o3.gs	Method	GENSCAN
Start	12521	End	13179
GI	none	Score	.98
Exons	12521..13065, 13116..13179		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82500	Strand	-
Start	12521	End	13179
Name	OJ000229_21.0410.C9.o1.np	Method	AAT/NAP
Start	12527	End	12817
GI	1362192	Score	400
Exons	12527..12817		
GI Descrip..	ferredoxin--thioredoxin reductase (EC 1.18.-.-) variable chain - maize		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o3.tm	Method	TBLASTX:Maize
Start	3027	End	3438
GI	none	Score	39
Exons	3027..3056, 3030..3056, 3151..3255, 3153..3230, 3154..3243, 3270..3374, 3274..3399, 3280..3375, 3315..3377, 3372..3434, 3378..3434, 3379..3438, 3385..3435		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	12521	End	13044
GI	none	Score	70
Exons	12521..12586, 12554..12847, 12555..12836, 12890..12919, 12982..13038, 12982..13044		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o2.ts	Method	TBLASTX:Soybean
Start	12554	End	12769
GI	none	Score	40
Exons	12554..12580, 12558..12581, 12608..12769, 12609..12767		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o5.gs	Method	GENSCAN
Start	18084	End	24294
GI	none	Score	.51
Exons	18084..18692, 19238..19318, 19827..19985, 20005..21382, 21504..21743, 22704..22757, 23071..23158, 23256..23443, 24230..24294		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o2.np	Method	AAT/NAP
Start	19948	End	21244
GI	4454460	Score	351
Exons	19948..20007, 20143..20345, 20489..21244		
GI Descrip.	(AC006234) AP2 domain transcription factor [Arabidopsis thaliana]		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o1.tc	Method	TBLASTX:Cress
Start	20485	End	20713
GI	none	Score	141
Exons	20485..20712, 20519..20713		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	20494	End	20826
GI	none	Score	95
Exons	20494..20694, 20500..20637, 20516..20695, 20758..20826, 20768..20818		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o2.tm	Method	TBLASTX:Maize
Start	20516	End	20827
GI	none	Score	128
Exons	20516..20713, 20518..20706, 20795..20827		

Seq. No.	39892	Seq. ID	OJ000229_21.0410.C9
Gene No.	82501	Strand	-
Start	18084	End	24294
Name	OJ000229_21.0410.C9.o1.tw	Method	TBLASTX:Wheat
Start	20518	End	20688
GI	none	Score	186
Exons	20518..20688		

Seq. No.	39893	Seq. ID	OJ000229_21.0410.C10
Gene No.	82502	Strand	+
Start	61	End	281

Name	OJ000229_21.0410.C10.o1.gs	Method	GENSCAN
Start	61	End	281
GI	none	Score	.6
Exons	61..281		
Seq. No.	39893	Seq. ID	OJ000229_21.0410.C10
Gene No.	82503	Strand	+
Start	1965	End	4808
Name	OJ000229_21.0410.C10.o2.np	Method	AAT/NAP
Start	1965	End	4808
GI	7106528	Score	77
Exons	1965..1989, 4681..4808		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	39893	Seq. ID	OJ000229_21.0410.C10
Gene No.	82504	Strand	-
Start	1489	End	2156
Name	OJ000229_21.0410.C10.o1.np	Method	AAT/NAP
Start	1489	End	2156
GI	7510076	Score	70
Exons	1489..1668, 2004..2156		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		
Seq. No.	39893	Seq. ID	OJ000229_21.0410.C10
Gene No.	82505	Strand	-
Start	2793	End	3620
Name	OJ000229_21.0410.C10.o2.gs	Method	GENSCAN
Start	2793	End	3620
GI	none	Score	.91
Exons	2793..3050, 3262..3331, 3367..3620		
Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82506	Strand	+
Start	7178	End	12166
Name	OJ000229_21.0410.C11.o2.gs	Method	GENSCAN
Start	7178	End	12166
GI	none	Score	.64
Exons	7178..7369, 9015..9233, 9740..9973, 11328..11440, 11488..11573, 12138..12166		
Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82507	Strand	-
Start	824	End	3824
Name	OJ000229_21.0410.C11.o1.gs	Method	GENSCAN
Start	824	End	3824
GI	none	Score	.7
Exons	824..1002, 1828..2000, 2487..2770, 3768..3824		
Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82508	Strand	-
Start	16794	End	16952
Name	OJ000229_21.0410.C11.o3.gs	Method	GENSCAN
Start	16794	End	16952
GI	none	Score	.72
Exons	16794..16952		

Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82509	Strand	-
Start	17365	End	18652
Name	OJ000229_21.0410.C11.o1.tm	Method	TBLASTX:Maize
Start	7787	End	8059
GI	none	Score	41
Exons	7787..7885, 7871..7936, 7880..8059, 7965..8042		

Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82509	Strand	-
Start	17365	End	18652
Name	OJ000229_21.0410.C11.o1.tw	Method	TBLASTX:Wheat
Start	7954	End	8278
GI	none	Score	40
Exons	7954..7983, 7965..8036, 7967..8059, 8062..8274, 8156..8278		

Seq. No.	39894	Seq. ID	OJ000229_21.0410.C11
Gene No.	82509	Strand	-
Start	17365	End	18652
Name	OJ000229_21.0410.C11.o4.gs	Method	GENSCAN
Start	17365	End	18652
GI	none	Score	.59
Exons	17365..17902, 17994..18100, 18542..18652		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o1.np	Method	AAT/NAP
Start	1	End	1248
GI	7021732	Score	678
Exons	1..83, 384..1071, 1099..1248		
GI Descrip.	(AC024081) unknown protein [Arabidopsis thaliana]		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o1.gs	Method	GENSCAN
Start	56	End	1356
GI	none	Score	.44
Exons	56..1356		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	274	End	732
GI	none	Score	281
Exons	274..486, 274..486, 276..488, 440..499, 477..731, 478..732		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o1.tc	Method	TBLASTX:Cress
Start	442	End	867
GI	none	Score	140
Exons	442..543, 447..545, 463..555, 601..777, 672..776, 798..860, 799..867		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	447	End	765
GI	none	Score	136
Exons	447..545, 448..543, 580..765, 591..764		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o2.tm	Method	TBLASTX:Maize
Start	930	End	1071
GI	none	Score	150
Exons	930..1070, 930..1070, 931..1071		

Seq. No.	39895	Seq. ID	OJ000229_21.0410.C12
Gene No.	82510	Strand	+
Start	1	End	1356
Name	OJ000229_21.0410.C12.o3.tm	Method	TBLASTX:Maize
Start	1086	End	1257
GI	none	Score	207
Exons	1086..1247, 1087..1257, 1087..1248		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.np	Method	AAT/NAP
Start	1	End	2517
GI	7021732	Score	798
Exons	1..48, 530..623, 741..898, 983..1034, 1140..1222, 1307..1400, 1967..2517		

GI Descrip. (AC024081) unknown protein [Arabidopsis thaliana]

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	529	End	2094
GI	none	Score	68
Exons	529..621, 530..622, 535..621, 739..789, 740..790, 747..791, 782..898, 784..894, 788..898, 792..899, 793..900, 985..1014, 986..1033, 1139..1222, 1303..1401, 1306..1401, 1328..1408, 1965..2072, 1966..2094, 2021..2092		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	530	End	2175
GI	none	Score	145
Exons	530..622, 531..623, 532..621, 739..894, 740..898, 741..902, 742..900, 747..905, 979..1032, 980..1033, 993..1037, 1139..1225, 1139..1225, 1146..1241, 1346..1408, 1348..1401, 1965..2174, 1965..2174, 1966..2175		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.tc	Method	TBLASTX:Cress
Start	575	End	1038
GI	none	Score	53
Exons	575..622, 739..894, 740..898, 741..899, 747..899, 988..1038, 989..1033		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.gs	Method	GENSCAN
Start	741	End	2713
GI	none	Score	.53
Exons	741..935, 1317..1400, 1967..2514, 2599..2713		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	2359	End	2732
GI	none	Score	168
Exons	2359..2520, 2359..2523, 2363..2524, 2409..2534, 2556..2648, 2557..2649, 2561..2656, 2581..2652, 2706..2732		

Seq. No.	39896	Seq. ID	OJ000229_21.0410.C13
Gene No.	82511	Strand	+
Start	1	End	2734
Name	OJ000229_21.0410.C13.o1.gp	Method	AAT/GAP
Start	2503	End	2734
GI	4714376	Score	443
Exons	2503..2734		

Seq. No.	39897	Seq. ID	OJ000229_21.0410.C14
Gene No.	82512	Strand	+
Start	326	End	2964
Name	OJ000229_21.0410.C14.o1.gs	Method	GENSCAN
Start	326	End	2964
GI	none	Score	.54
Exons	326..408, 2306..2467, 2641..2823, 2858..2964		

Seq. No.	39898	Seq. ID	OJ000229_21.0410.C15
Gene No.	82513	Strand	+
Start	1	End	2231
Name	OJ000229_21.0410.C15.o1.np	Method	AAT/NAP
Start	1	End	2231
GI	7485642	Score	787
Exons	1..31, 758..1314, 1806..2020, 2166..2231		
GI Descrip.	hypothetical protein F17L22.130 - Arabidopsis thaliana gi 4455275 emb CAB36811.1 (AL035527) putative protein [Arabidopsis thaliana] gi 7268964 emb CAB81274.1 (AL161555) putative protein [Arabidopsis thaliana]		

Seq. No.	39898	Seq. ID	OJ000229_21.0410.C15
Gene No.	82513	Strand	+
Start	1	End	2231

Name	OJ000229_21.0410.C15.o1.gs	Method	GENSCAN
Start	713	End	2016
GI	none	Score	.91
Exons	713..718, 838..1314, 1806..2016		

Seq. No.	39899	Seq. ID	OJ000229_21.0410.C16
Gene No.	82514	Strand	-
Start	134	End	515
Name	OJ000229_21.0410.C16.o1.gs	Method	GENSCAN
Start	134	End	515
GI	none	Score	.67
Exons	134..391, 407..515		

Seq. No.	39900	Seq. ID	OJ000229_21.0410.C19
Gene No.	82515	Strand	+
Start	593	End	689
Name	OJ000229_21.0410.C19.o1.gs	Method	GENSCAN
Start	593	End	689
GI	none	Score	.98
Exons	593..689		

Seq. No.	39901	Seq. ID	OJ000229_21.0410.C20
Gene No.	82516	Strand	+
Start	1	End	1501
Name	OJ000229_21.0410.C20.o1.np	Method	AAT/NAP
Start	1	End	1501
GI	7485642	Score	98
Exons	1..213, 289..372, 653..718, 1271..1394, 1441..1501		
GI Descrip.	hypothetical protein F17L22.130 - Arabidopsis thaliana gi 4455275 emb CAB36811.1 (AL035527) putative protein [Arabidopsis thaliana] gi 7268964 emb CAB81274.1 (AL161555) putative protein [Arabidopsis thaliana]		

Seq. No.	39901	Seq. ID	OJ000229_21.0410.C20
Gene No.	82516	Strand	+
Start	1	End	1501
Name	OJ000229_21.0410.C20.o1.tm	Method	TBLASTX:Maize
Start	22	End	1486
GI	none	Score	176
Exons	22..213, 22..213, 289..375, 291..374, 649..714, 650..718, 1267..1350, 1269..1355, 1271..1345, 1463..1486		

Seq. No.	39901	Seq. ID	OJ000229_21.0410.C20
Gene No.	82516	Strand	+
Start	1	End	1501
Name	OJ000229_21.0410.C20.o1.gs	Method	GENSCAN
Start	151	End	733
GI	none	Score	.81
Exons	151..213, 289..372, 653..733		

Seq. No.	39902	Seq. ID	OJ000229_20.0404.C1
Gene No.	82517	Strand	+
Start	9	End	114
Name	OJ000229_20.0404.C1.o1.gs	Method	GENSCAN
Start	9	End	114
GI	none	Score	.79
Exons	9..53, 106..114		

Seq. No.	39902	Seq. ID	OJ000229_20.0404.C1
Gene No.	82518	Strand	+
Start	853	End	1233
Name	OJ000229_20.0404.C1.o2.gp	Method	AAT/GAP
Start	853	End	1233
GI	none	Score	736
Exons	853..1233		

Seq. No.	39902	Seq. ID	OJ000229_20.0404.C1
Gene No.	82519	Strand	-
Start	1065	End	1196
Name	OJ000229_20.0404.C1.o1.gp	Method	AAT/GAP
Start	345	End	600
GI	none	Score	492
Exons	345..600		

Seq. No.	39902	Seq. ID	OJ000229_20.0404.C1
Gene No.	82519	Strand	-
Start	1065	End	1196
Name	OJ000229_20.0404.C1.o2.gs	Method	GENSCAN
Start	1065	End	1196
GI	none	Score	.48
Exons	1065..1196		

Seq. No.	39902	Seq. ID	OJ000229_20.0404.C1
Gene No.	82520	Strand	-
Start	1107	End	1259
Name	OJ000229_20.0404.C1.o1.np	Method	AAT/NAP
Start	1107	End	1259
GI	4544449	Score	133
Exons	1107..1259		
GI Descrip.	(AC006592) putative peroxidase [Arabidopsis thaliana]		

Seq. No.	39903	Seq. ID	OJ000229_20.0404.C2
Gene No.	82521	Strand	-
Start	1	End	2566
Name	OJ000229_20.0404.C2.o1.np	Method	AAT/NAP
Start	1	End	2013
GI	4544449	Score	343
Exons	1..33, 1422..1613, 1810..2013		
GI Descrip.	(AC006592) putative peroxidase [Arabidopsis thaliana]		

Seq. No.	39903	Seq. ID	OJ000229_20.0404.C2
Gene No.	82521	Strand	-
Start	1	End	2566
Name	OJ000229_20.0404.C2.o1.gs	Method	GENSCAN
Start	370	End	2064
GI	none	Score	.51
Exons	370..519, 608..772, 1140..1259, 1422..1613, 1705..2064		

Seq. No.	39903	Seq. ID	OJ000229_20.0404.C2
Gene No.	82521	Strand	-
Start	1	End	2566
Name	OJ000229_20.0404.C2.o1.tc	Method	TBLASTX:Cress
Start	1419	End	1947
GI	none	Score	78

Exons 1419..1622, 1534..1614, 1813..1947

Seq. No.	39903	Seq. ID	OJ000229_20.0404.C2
Gene No.	82521	Strand	-
Start	1	End	2566
Name	OJ000229_20.0404.C2.ol.tw	Method	TBLASTX:Wheat
Start	1419	End	2566
GI	none	Score	79
Exons	1419..1538, 1540..1620, 1545..1622, 2352..2456, 2525..2566		

Seq. No.	39903	Seq. ID	OJ000229_20.0404.C2
Gene No.	82521	Strand	-
Start	1	End	2566
Name	OJ000229_20.0404.C2.ol.tm	Method	TBLASTX:Maize
Start	1419	End	1947
GI	none	Score	104
Exons	1419..1622, 1465..1620, 1524..1622, 1813..1947, 1814..1936		

Seq. No.	39903	Seq. ID	OJ000229_20.0404.C2
Gene No.	82521	Strand	-
Start	1	End	2566
Name	OJ000229_20.0404.C2.ol.ts	Method	TBLASTX:Soybean
Start	1422	End	1969
GI	none	Score	115
Exons	1422..1622, 1465..1614, 1810..1959, 1811..1969		

Seq. No.	39903	Seq. ID	OJ000229_20.0404.C2
Gene No.	82521	Strand	-
Start	1	End	2566
Name	OJ000229_20.0404.C2.ol.gp	Method	AAT/GAP
Start	1504	End	2161
GI	25074_1.R1084	Score	888
Exons	1504..1613, 1810..2161		
GI Descrip.	'4544449/gb AAD22357.1 AC006592_14 2.0e-25 (AC006592) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82522	Strand	+
Start	13194	End	13536
Name	OJ000229_20.0404.C3.o2.gp	Method	AAT/GAP
Start	13194	End	13536
GI	none	Score	457
Exons	13194..13536		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82523	Strand	-
Start	1	End	1822
Name	OJ000229_20.0404.C3.ol.np	Method	AAT/NAP
Start	1	End	1822
GI	7444451	Score	1418
Exons	1..1822		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi 2586082 gb AAB82754.1 (U72725) retrofit [Oryza longistaminata]		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82523	Strand	-

Start	1	End	1822
Name	OJ000229_20.0404.C3.o1.gs	Method	GENSCAN
Start	784	End	1810
GI	none	Score	.89
Exons	784..1810		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82524	Strand	-
Start	2276	End	3121
Name	OJ000229_20.0404.C3.o1.gp	Method	AAT/GAP
Start	2276	End	2855
GI	uC-osflcyp172e08b1	Score	724
Exons	2276..2480, 2635..2855		
GI Descrip.	'4102727 5.0e-24 (AF015782) blight-associated protein p12 precursor [Citrus jambhiri]'		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82524	Strand	-
Start	2276	End	3121
Name	OJ000229_20.0404.C3.o2.np	Method	AAT/NAP
Start	2631	End	3121
GI	4102727	Score	375
Exons	2631..2911, 3013..3121		
GI Descrip.	(AF015782) blight-associated protein p12 precursor [Citrus jambhiri]		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.ts	Method	TBLASTX:Soybean
Start	94	End	483
GI	none	Score	158
Exons	94..261, 280..483		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o1.tw	Method	TBLASTX:Wheat
Start	574	End	961
GI	none	Score	70
Exons	574..702, 594..686, 689..961, 722..910		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o5.tm	Method	TBLASTX:Maize
Start	776	End	1294
GI	none	Score	85
Exons	776..925, 782..904, 923..1045, 1098..1112, 1181..1231, 1232..1294		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o4.tc	Method	TBLASTX:Cress
Start	1241	End	1762
GI	none	Score	60

Exons 1241..1591, 1649..1762

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o2.tw	Method	TBLASTX:Wheat
Start	1295	End	1729
GI	none	Score	58
Exons	1295..1477, 1319..1474, 1353..1496, 1484..1729, 1485..1589		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.tm	Method	TBLASTX:Maize
Start	1295	End	1726
GI	none	Score	85
Exons	1295..1603, 1356..1556, 1649..1726		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o4.tm	Method	TBLASTX:Maize
Start	2656	End	3072
GI	none	Score	70
Exons	2656..2724, 2658..2723, 2724..2921, 2725..2766, 2751..2909, 2791..2922, 3026..3046, 3037..3072		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o4.gs	Method	GENSCAN
Start	10507	End	18407
GI	none	Score	.63
Exons	10507..11181, 11307..11393, 11509..11700, 11820..11915, 12046..12132, 15216..15680, 15793..15872, 16314..16919, 18356..18407		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.np	Method	AAT/NAP
Start	10524	End	16879
GI	4063751	Score	737
Exons	10524..11181, 11509..11717, 11804..11915, 12025..12132, 15216..15680, 15793..15872, 16314..16480, 16558..16879		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o1.tc	Method	TBLASTX:Cress
Start	10537	End	11327
GI	none	Score	113
Exons	10537..10707, 10765..11190, 10856..10990, 11063..11191, 11304..11327		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3...
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Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o1.ts	Method	TBLASTX:Soybean
Start	10582	End	11187
GI	none	Score	109
Exons	10582..10743, 10583..10729, 10765..11187, 10775..11170		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.tw	Method	TBLASTX:Wheat
Start	10678	End	11103
GI	none	Score	127
Exons	10678..10761, 10765..11103, 10775..10990		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o1.tm	Method	TBLASTX:Maize
Start	10819	End	15329
GI	none	Score	158
Exons	10819..11190, 10835..11200, 11284..11373, 11302..11373, 11304..11402, 11488..11673, 11530..11667, 12037..12126, 12042..12134, 12043..12135, 15216..15329		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.tc	Method	TBLASTX:Cress
Start	11328	End	11677
GI	none	Score	52
Exons	11328..11402, 11329..11394, 11494..11673, 11512..11628, 11531..11677		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o4.ts	Method	TBLASTX:Soybean
Start	11367	End	11685
GI	none	Score	86
Exons	11367..11405, 11509..11685, 11531..11683		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o2.tc	Method	TBLASTX:Cress
Start	12019	End	16482
GI	none	Score	163
Exons	12019..12126, 15237..15608, 15238..15495, 15609..15680, 15613..15675, 15799..15873, 16306..16413, 16310..16405, 16447..16482		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o2.ts	Method	TBLASTX:Soybean
Start	15216	End	16446

GI	none	Score	90
Exons	15216..15332, 15226..15336, 15333..15677, 15334..15504, 15793..15873, 15794..15874, 16306..16446, 16310..16423		
Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o2.tm	Method	TBLASTX:Maize
Start	15330	End	15683
GI	none	Score	120
Exons	15330..15683, 15388..15495, 15598..15675		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o3.gp	Method	AAT/GAP
Start	15537	End	16004
GI	uC-osflcyp106e10b1	Score	908
Exons	15537..16004		
GI Descrip.	'4490751/emb CAB38913.1 3.0e-14 (AL035708) proliferating-cell nucleolar antigen-like protein [Arabidopsis thaliana]'		

Seq. No.	39904	Seq. ID	OJ000229_20.0404.C3
Gene No.	82525	Strand	-
Start	10507	End	18407
Name	OJ000229_20.0404.C3.o4.gp	Method	AAT/GAP
Start	17043	End	17114
GI	LIB3477-003-P1-K1-E9	Score	99
Exons	17043..17114		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82526	Strand	+
Start	1886	End	2203
Name	OJ000229_20.0404.C4.o1.gp	Method	AAT/GAP
Start	1886	End	2203
GI	none	Score	604
Exons	1886..2203		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o1.gs	Method	GENSCAN
Start	2034	End	10698
GI	none	Score	.44
Exons	2034..2201, 2224..2747, 2975..3104, 3229..3420, 3545..3673, 3794..3880, 4072..4149, 5499..6008, 6133..6212, 6435..6936, 10546..10698		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o1.np	Method	AAT/NAP
Start	2102	End	7025
GI	4063751	Score	758

Exons 2102..2747, 3229..3420, 3545..3664, 3758..3880, 5559..6023,
6133..6212, 6435..6600, 6701..7025
GI Descrip. (AC005851) putative ABC transporter [Arabidopsis thaliana]

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o2.tc	Method	TBLASTX:Cress
Start	2114	End	2753
GI	none	Score	84
Exons	2114..2266, 2315..2371, 2374..2505, 2426..2506, 2529..2753		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o1.ts	Method	TBLASTX:Soybean
Start	2156	End	2753
GI	none	Score	101
Exons	2156..2317, 2157..2318, 2291..2374, 2337..2375, 2366..2506, 2374..2505, 2518..2736, 2529..2753		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o1.tw	Method	TBLASTX:Wheat
Start	2312	End	2678
GI	none	Score	91
Exons	2312..2371, 2386..2505, 2393..2506, 2529..2678		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o2.tm	Method	TBLASTX:Maize
Start	2386	End	3426
GI	none	Score	59
Exons	2386..2505, 2402..2506, 2529..2753, 2611..2736, 2969..3073, 2973..3077, 3215..3385, 3223..3426, 3292..3387		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o3.tc	Method	TBLASTX:Cress
Start	2969	End	3388
GI	none	Score	83
Exons	2969..3073, 2973..3062, 3209..3388, 3209..3376, 3223..3387		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o3.ts	Method	TBLASTX:Soybean
Start	3223	End	3405
GI	none	Score	63
Exons	3223..3405, 3286..3351, 3287..3385		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698

Name	OJ000229_20.0404.C4.o1.tc	Method	TBLASTX:Cress
Start	3773	End	6630
GI	none	Score	163
Exons	3773..3907, 5553..5951, 5581..5838, 5952..6023, 5956..6018, 6139..6213, 6413..6526, 6415..6534, 6568..6630		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o1.tm	Method	TBLASTX:Maize
Start	3791	End	6027
GI	none	Score	195
Exons	3791..3931, 5553..6026, 5569..5838, 5941..6027		

Seq. No.	39905	Seq. ID	OJ000229_20.0404.C4
Gene No.	82527	Strand	-
Start	2034	End	10698
Name	OJ000229_20.0404.C4.o2.ts	Method	TBLASTX:Soybean
Start	5559	End	6544
GI	none	Score	90
Exons	5559..5675, 5569..5679, 5676..6020, 5677..5847, 6133..6213, 6134..6220, 6415..6534, 6431..6544		

Seq. No.	39906	Seq. ID	OJ000229_20.0404.C5
Gene No.	82528	Strand	-
Start	1126	End	2476
Name	OJ000229_20.0404.C5.o1.np	Method	AAT/NAP
Start	589	End	688
GI	5852084	Score	75
Exons	589..688		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	39906	Seq. ID	OJ000229_20.0404.C5
Gene No.	82528	Strand	-
Start	1126	End	2476
Name	OJ000229_20.0404.C5.o1.gs	Method	GENSCAN
Start	1126	End	2476
GI	none	Score	.82
Exons	1126..1286, 1617..1651, 2337..2476		

Seq. No.	39907	Seq. ID	OJ000229_20.0404.C6
Gene No.	82529	Strand	-
Start	867	End	1010
Name	OJ000229_20.0404.C6.o1.gs	Method	GENSCAN
Start	867	End	1010
GI	none	Score	.44
Exons	867..1010		

Seq. No.	39908	Seq. ID	OJ000229_20.0404.C7
Gene No.	82530	Strand	-
Start	1	End	1333
Name	OJ000229_20.0404.C7.o1.np	Method	AAT/NAP
Start	1	End	1333
GI	4544451	Score	555
Exons	1..220, 321..876, 963..1188, 1285..1333		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	39908	Seq. ID	OJ000229_20.0404.C7
Gene No.	82530	Strand	-
Start	1	End	1333
Name	OJ000229_20.0404.C7.o1.gp	Method	AAT/GAP
Start	1	End	144
GI	2798447	Score	260
Exons	1..144		
GI Descrip.	4490751/emb CAB38913.1 3.0e-14 (AL035708) proliferating-cell nucleolar antigen-like protein [Arabidopsis thaliana]		

Seq. No.	39908	Seq. ID	OJ000229_20.0404.C7
Gene No.	82530	Strand	-
Start	1	End	1333
Name	OJ000229_20.0404.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	196
GI	5057841	Score	84
Exons	2..196, 5..193, 6..194		
GI Descrip.	4544451/gb_AAD22359.1_AC006592_16 8.0e-34 (AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	39908	Seq. ID	OJ000229_20.0404.C7
Gene No.	82530	Strand	-
Start	1	End	1333
Name	OJ000229_20.0404.C7.o1.gs	Method	GENSCAN
Start	19	End	1293
GI	none	Score	.72
Exons	19..220, 321..844, 963..1293		

Seq. No.	39908	Seq. ID	OJ000229_20.0404.C7
Gene No.	82530	Strand	-
Start	1	End	1333
Name	OJ000229_20.0404.C7.o1.tm	Method	TBLASTX:Maize
Start	481	End	1110
GI	none	Score	95
Exons	481..552, 482..550, 483..551, 528..584, 541..585, 575..790, 576..842, 580..858, 948..1100, 958..1101, 958..1110		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82531	Strand	+
Start	7161	End	17404
Name	OJ000229_20.0404.C8.o2.gs	Method	GENSCAN
Start	7161	End	17404
GI	none	Score	.57
Exons	7161..7382, 7434..7630, 8005..8134, 8205..8410, 8815..9081, 9095..9200, 9289..9322, 11855..12286, 12379..12540, 13027..14047, 14606..14764, 15173..15267, 15342..15494, 16032..16309, 16456..16646, 17260..17404		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82531	Strand	+
Start	7161	End	17404
Name	OJ000229_20.0404.C8.o2.np	Method	AAT/NAP
Start	10160	End	14048
GI	5803260	Score	966
Exons	10160..10187, 11899..12291, 12369..12460, 12887..14048		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82532	Strand	+
Start	20151	End	21433
Name	OJ000229_20.0404.C8.o3.gs	Method	GENSCAN
Start	20151	End	21433
GI	none	Score	.89
Exons	20151..20603, 21389..21433		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82533	Strand	-
Start	1	End	6352
Name	OJ000229_20.0404.C8.o1.np	Method	AAT/NAP
Start	1	End	3372
GI	4544451	Score	813
Exons	1..270, 380..465, 889..937, 1051..1117, 1651..1766, 1853..1919, 2713..2801, 3169..3372		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82533	Strand	-
Start	1	End	6352
Name	OJ000229_20.0404.C8.o1.gs	Method	GENSCAN
Start	17	End	6352
GI	none	Score	.62
Exons	17..270, 1051..1117, 1651..1766, 1853..1919, 2713..2801, 3169..3596, 3964..4063, 4868..4992, 6061..6352		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82533	Strand	-
Start	1	End	6352
Name	OJ000229_20.0404.C8.o1.gp	Method	AAT/GAP
Start	32	End	1122
GI	2428542	Score	814
Exons	32..270, 380..465, 889..937, 1051..1122		
GI Descrip.	4544451/gb AAD22359.1 AC006592_16 7.0e-55 (AC006592) unknown protein [Arabidopsis thaliana]		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o3.tm	Method	TBLASTX:Maize
Start	14	End	187
GI	none	Score	254
Exons	14..187, 16..186		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o2.ts	Method	TBLASTX:Soybean
Start	208	End	1912
GI	none	Score	58
Exons	208..270, 209..271, 377..466, 390..464, 890..937, 1033..1128, 1049..1111, 1611..1790, 1624..1743, 1650..1769, 1850..1912		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584

Name	OJ000229_20.0404.C8.o2.tm	Method	TBLASTX:Maize
Start	398	End	2783
GI	none	Score	87
Exons	398..460, 399..461, 888..938, 890..937, 892..939, 1033..1128, 1050..1118, 1051..1119, 1611..1778, 1612..1743, 1653..1775, 1849..1920, 1850..1924, 1851..1922, 2733..2783		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o4.tm	Method	TBLASTX:Maize
Start	5663	End	5960
GI	none	Score	65
Exons	5663..5959, 5691..5828, 5750..5959, 5853..5960		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o1.tc	Method	TBLASTX:Cress
Start	8856	End	20357
GI	none	Score	70
Exons	8856..8915, 11848..11952, 12001..12057, 12103..12147, 12211..12285, 13028..13159, 13029..13346, 13029..13253, 13202..13330, 13299..13343, 13373..13900, 13374..13901, 20262..20357		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o1.tm	Method	TBLASTX:Maize
Start	12942	End	13931
GI	none	Score	54
Exons	12942..13019, 13038..13340, 13040..13336, 13370..13927, 13371..13931		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o1.ts	Method	TBLASTX:Soybean
Start	12963	End	13745
GI	none	Score	49
Exons	12963..13019, 13038..13169, 13055..13180, 13197..13349, 13199..13342, 13358..13666, 13374..13745		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o2.tw	Method	TBLASTX:Wheat
Start	13052	End	13289
GI	none	Score	222
Exons	13052..13288, 13056..13289		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o1.tw	Method	TBLASTX:Wheat
Start	13289	End	13667

GI	none	Score	214
Exons	13289..13330, 13290..13547, 13427..13540, 13553..13666, 13554..13667		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o2.gp	Method	AAT/GAP
Start	22107	End	22584
GI	38782_1.R1084	Score	673
Exons	22107..22145, 22200..22584		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	39909	Seq. ID	OJ000229_20.0404.C8
Gene No.	82534	Strand	-
Start	22107	End	22584
Name	OJ000229_20.0404.C8.o4.gs	Method	GENSCAN
Start	22463	End	22536
GI	none	Score	1
Exons	22463..22536		

Seq. No.	39910	Seq. ID	OJ000229_20.0404.C9
Gene No.	82535	Strand	+
Start	1283	End	2027
Name	OJ000229_20.0404.C9.o1.np	Method	AAT/NAP
Start	1283	End	2027
GI	6907086	Score	874
Exons	1283..2027		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	39910	Seq. ID	OJ000229_20.0404.C9
Gene No.	82535	Strand	+
Start	1283	End	2027
Name	OJ000229_20.0404.C9.o1.gs	Method	GENSCAN
Start	1466	End	1969
GI	none	Score	1
Exons	1466..1969		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82536	Strand	+
Start	1	End	448
Name	OJ000229_20.0404.C10.o1.np	Method	AAT/NAP
Start	1	End	448
GI	6983857	Score	225
Exons	1..448		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82537	Strand	+
Start	2106	End	4081
Name	OJ000229_20.0404.C10.o2.np	Method	AAT/NAP
Start	2106	End	4081
GI	4966347	Score	766
Exons	2106..2168, 2249..2356, 2887..4081		
GI Descrip.	(AC006341) Similar to gb AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82538	Strand	+
Start	12121	End	30059
Name	OJ000229_20.0404.C10.o3.np	Method	AAT/NAP
Start	12112	End	22876
GI	3549626	Score	1024
Exons	12112..12550, 12750..13190, 13291..13455, 21705..22876		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82538	Strand	+
Start	12121	End	30059
Name	OJ000229_20.0404.C10.o2.gs	Method	GENSCAN
Start	12121	End	30059
GI	none	Score	.5
Exons	12121..12546, 12755..13190, 13291..13455, 13619..14344, 14376..14582, 16813..16997, 17255..17393, 20295..20476, 20537..20677, 20783..20810, 20822..20999, 21037..21278, 21458..21538, 21705..22031, 22194..22729, 24339..25166, 25497..25589, 25966..26538, 28092..28452, 28540..28686, 28957..30059		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82538	Strand	+
Start	12121	End	30059
Name	OJ000229_20.0404.C10.o1.gp	Method	AAT/GAP
Start	21395	End	22168
GI	87053_1.R1084	Score	1133
Exons	21395..21538, 21705..22168		
GI Descrip.	'4826399/emb CAB42872.1 3.0e-22 (AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]'		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82538	Strand	+
Start	12121	End	30059
Name	OJ000229_20.0404.C10.o2.gp	Method	AAT/GAP
Start	22409	End	23047
GI	3768316	Score	1155
Exons	22409..23047		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82538	Strand	+
Start	12121	End	30059
Name	OJ000229_20.0404.C10.o4.np	Method	AAT/NAP
Start	26477	End	30056
GI	3549626	Score	993
Exons	26477..26547, 28014..28452, 28540..28686, 28897..30056		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82539	Strand	+
Start	31165	End	31893
Name	OJ000229_20.0404.C10.o3.gs	Method	GENSCAN
Start	31165	End	31893
GI	none	Score	.7
Exons	31165..31337, 31779..31893		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82540	Strand	+
Start	37477	End	37959
Name	OJ000229_20.0404.C10.o5.gs	Method	GENSCAN
Start	37477	End	37959
GI	none	Score	.93
Exons	37477..37959		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82541	Strand	-
Start	29721	End	30343
Name	OJ000229_20.0404.C10.o3.gp	Method	AAT/GAP
Start	29721	End	30343
GI	none	Score	1134
Exons	29721..30343		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o1.tc	Method	TBLASTX:Cress
Start	1985	End	37662
GI	none	Score	61
Exons	1985..2080, 2105..2167, 2883..3020, 3038..3328, 3045..3911, 3408..3650, 3431..3718, 12980..13099, 13094..13195, 13615..13755, 13780..14085, 13941..14060, 14113..14382, 14113..14328, 14160..14381, 14384..14632, 21059..21178, 21173..21259, 21704..21841, 21866..22171, 21967..22146, 22199..22723, 22238..22486, 22246..22560, 27960..28043, 28059..28109, 28272..28361, 28356..28451, 28896..29036, 29039..29107, 29046..29348, 29046..29318, 29210..29329, 29381..29698, 29382..29909, 37597..37662		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o1.tm	Method	TBLASTX:Maize
Start	2949	End	29930
GI	none	Score	58
Exons	2949..3032, 2999..3313, 3045..3347, 3048..3350, 3381..3932, 3390..3662, 3431..3688, 13681..13773, 13753..14079, 13875..14060, 14110..14382, 14160..14381, 14384..14665, 14545..14658, 21767..21859, 21769..21816, 21839..22165, 21866..22144, 21961..22146, 22196..22756, 22246..22500, 28959..29030, 28967..29008, 29046..29348, 29048..29104, 29058..29324, 29144..29329, 29378..29722, 29379..29930		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o1.ts	Method	TBLASTX:Soybean
Start	2970	End	29753
GI	none	Score	46
Exons	2970..3026, 3045..3176, 3107..3187, 3197..3319, 3198..3755, 3431..3688, 13702..13764, 13780..13908, 13936..14088, 13938..14060, 14113..14382, 14160..14381, 14384..14479, 21788..21850, 21866..21994, 22022..22174, 22024..22146,		

22199..22570, 22246..22497, 22385..22501, 28980..29030,
29010..29183, 29205..29348, 29378..29686, 29382..29753

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o2.tw	Method	TBLASTX:Wheat
Start	3044	End	29348
GI	none	Score	227
Exons	3044..3295, 3063..3347, 13761..13826, 13795..14028, 13811..13867, 13881..14027, 21847..21912, 21881..22114, 21897..21953, 21982..22113, 29045..29092, 29064..29348, 29159..29296		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o1.tw	Method	TBLASTX:Wheat
Start	3297	End	29693
GI	none	Score	46
Exons	3297..3332, 3384..3557, 3437..3553, 3563..3688, 3564..3695, 14028..14060, 14029..14274, 14166..14270, 14292..14381, 14293..14382, 22114..22146, 22115..22372, 22252..22389, 22378..22491, 22379..22492, 29297..29329, 29298..29333, 29370..29555, 29435..29548, 29561..29686, 29562..29693		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o2.tm	Method	TBLASTX:Maize
Start	16981	End	17386
GI	none	Score	35
Exons	16981..17004, 16991..17101, 16998..17102, 17001..17186, 17067..17204, 17103..17144, 17116..17148, 17196..17240, 17196..17318, 17204..17248, 17264..17290, 17284..17319, 17353..17385, 17357..17386		

Seq. No.	39911	Seq. ID	OJ000229_20.0404.C10
Gene No.	82542	Strand	-
Start	33241	End	37662
Name	OJ000229_20.0404.C10.o4.gs	Method	GENSCAN
Start	33241	End	35680
GI	none	Score	.53
Exons	33241..33351, 35639..35680		

Seq. No.	39912	Seq. ID	OJ000229_20.0404.C11
Gene No.	82543	Strand	+
Start	543	End	2952
Name	OJ000229_20.0404.C11.o1.np	Method	AAT/NAP
Start	543	End	2949
GI	5803260	Score	901
Exons	543..874, 962..1047, 1785..2949		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	39912	Seq. ID	OJ000229_20.0404.C11
Gene No.	82543	Strand	+
Start	543	End	2952

Name	OJ000229_20.0404.C11.o1.gs	Method	GENSCAN
Start	713	End	2952
GI	none	Score	.68
Exons	713..863, 966..1124, 1466..1531, 1550..2952		

Seq. No.	39912	Seq. ID	OJ000229_20.0404.C11
Gene No.	82544	Strand	-
Start	5036	End	5346
Name	OJ000229_20.0404.C11.o1.tc	Method	TBLASTX:Cress
Start	791	End	2922
GI	none	Score	96
Exons	791..868, 965..994, 1004..1057, 1927..2244, 1935..2030, 2100..2219, 2128..2226, 2257..2799, 2265..2579, 2338..2589, 2809..2922		

Seq. No.	39912	Seq. ID	OJ000229_20.0404.C11
Gene No.	82544	Strand	-
Start	5036	End	5346
Name	OJ000229_20.0404.C11.o1.tm	Method	TBLASTX:Maize
Start	1840	End	2829
GI	none	Score	68
Exons	1840..1932, 1936..2238, 1938..2219, 2268..2660, 2269..2829, 2706..2816		

Seq. No.	39912	Seq. ID	OJ000229_20.0404.C11
Gene No.	82544	Strand	-
Start	5036	End	5346
Name	OJ000229_20.0404.C11.o1.ts	Method	TBLASTX:Soybean
Start	1861	End	2643
GI	none	Score	48
Exons	1861..1917, 1935..2030, 1936..2067, 2095..2247, 2097..2240, 2242..2643, 2265..2570		

Seq. No.	39912	Seq. ID	OJ000229_20.0404.C11
Gene No.	82544	Strand	-
Start	5036	End	5346
Name	OJ000229_20.0404.C11.o2.tw	Method	TBLASTX:Wheat
Start	1935	End	2187
GI	none	Score	215
Exons	1935..2186, 1954..2187		

Seq. No.	39912	Seq. ID	OJ000229_20.0404.C11
Gene No.	82544	Strand	-
Start	5036	End	5346
Name	OJ000229_20.0404.C11.o1.tw	Method	TBLASTX:Wheat
Start	2187	End	2565
GI	none	Score	217
Exons	2187..2219, 2188..2445, 2262..2438, 2451..2564, 2452..2565		

Seq. No.	39912	Seq. ID	OJ000229_20.0404.C11
Gene No.	82544	Strand	-
Start	5036	End	5346
Name	OJ000229_20.0404.C11.o2.gs	Method	GENSCAN
Start	5036	End	5346
GI	none	Score	.44
Exons	5036..5346		

Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82545	Strand	+
Start	3591	End	4863
Name	OJ000229_20.0404.C12.o2.np	Method	AAT/NAP
Start	3591	End	4863
GI	7523512	Score	175
Exons	3591..3618, 4736..4863		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244
Name	OJ000229_20.0404.C12.o1.gp	Method	AAT/GAP
Start	1	End	81
GI	uC-osflcyp172a09a1	Score	149
Exons	1..81		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244
Name	OJ000229_20.0404.C12.o1.np	Method	AAT/NAP
Start	1	End	4416
GI	5042454	Score	3849
Exons	1..123, 798..1397, 2031..3736, 3793..3899, 4266..4416		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244
Name	OJ000229_20.0404.C12.o1.gs	Method	GENSCAN
Start	581	End	5244
GI	none	Score	.4
Exons	581..1397, 1712..1855, 2031..2307, 2633..3491, 3581..3763, 4270..4359, 4459..4530, 5103..5244		
Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244
Name	OJ000229_20.0404.C12.o2.tm	Method	TBLASTX:Maize
Start	2030	End	2173
GI	none	Score	126
Exons	2030..2173, 2034..2168		
Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244
Name	OJ000229_20.0404.C12.o1.tw	Method	TBLASTX:Wheat
Start	2673	End	3225
GI	none	Score	95
Exons	2673..2930, 2707..2946, 2913..3011, 2914..3006, 3018..3065, 3190..3225		
Seq. No.	39913	Seq. ID	OJ000229_20.0404.C12
Gene No.	82546	Strand	-
Start	1	End	5244

Name	OJ000229_20.0404.C12.o1.tm	Method	TBLASTX:Maize
Start	2775	End	3060
GI	none	Score	94
Exons	2775..3023, 2776..3060		
Seq. No.	39914	Seq. ID	OJ000229_20.0404.C15
Gene No.	82547	Strand	+
Start	1	End	599
Name	OJ000229_20.0404.C15.o1.np	Method	AAT/NAP
Start	1	End	599
GI	4544451	Score	181
Exons	1..22, 135..224, 503..599		
GI Descrip.	(AC006592) unknown protein [Arabidopsis thaliana]		
Seq. No.	39914	Seq. ID	OJ000229_20.0404.C15
Gene No.	82547	Strand	+
Start	1	End	599
Name	OJ000229_20.0404.C15.o1.gs	Method	GENSCAN
Start	139	End	595
GI	none	Score	.64
Exons	139..224, 503..595		
Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82548	Strand	+
Start	2670	End	3695
Name	OJ000209_19.0412.C1.o2.gs	Method	GENSCAN
Start	2670	End	3695
GI	none	Score	.76
Exons	2670..2771, 3020..3119, 3274..3342, 3448..3695		
Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.np	Method	AAT/NAP
Start	263	End	7920
GI	7428718	Score	237
Exons	263..467, 585..726, 7888..7920		
GI Descrip.	probable kinesin - Arabidopsis thaliana gi 2244771 emb CAB10194.1 (Z97335) kinesin like protein [Arabidopsis thaliana] gi 7268120 emb CAB78457.1 (AL161538) kinesin like protein [Arabidopsis thaliana]		
Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.gp	Method	AAT/GAP
Start	365	End	1803
GI	25426_1.R1084	Score	998
Exons	365..467, 585..766, 1543..1803		
GI Descrip.	'2244771/emb CAB10194.1 2.0e-36 (Z97335) kinesin like protein [Arabidopsis thaliana]'		
Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o3.tm	Method	TBLASTX:Maize
Start	365	End	685

GI	none	Score	133
Exons	365...493, 365...469, 367...489, 585...680, 585...680, 586...681, 587...682, 587...685		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o3.ts	Method	TBLASTX:Soybean
Start	386	End	677
GI	none	Score	78
Exons	386...469, 585...677, 587...676		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o2.tm	Method	TBLASTX:Maize
Start	3450	End	5404
GI	none	Score	196
Exons	3450...3536, 3536...3724, 3537...3725, 3543...3725, 3544...3726, 3640...3729, 4317...4568, 4318...4569, 4319...4570, 4320...4571, 5238...5345, 5239...5346, 5240...5347, 5260...5346, 5348...5404		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o2.np	Method	AAT/NAP
Start	3462	End	7920
GI	6682247	Score	1192
Exons	3462...3722, 4319...4570, 5240...5457, 6348...6587, 6678...6869, 7658...7920		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o2.ts	Method	TBLASTX:Soybean
Start	3546	End	3726
GI	none	Score	176
Exons	3546...3725, 3547...3726		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.tw	Method	TBLASTX:Wheat
Start	3603	End	4570
GI	none	Score	145
Exons	3603...3725, 3603...3725, 3604...3726, 3632...3730, 3640...3729, 4317...4565, 4318...4566, 4319...4570, 4320...4568		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.tc	Method	TBLASTX:Cress
Start	4412	End	6738
GI	none	Score	105
Exons	4412...4549, 4416...4520, 5240...5458, 5241...5363, 5258...5449, 5421...5480, 6346...6591, 6347...6601, 6679...6738, 6680...6736		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o3.gs	Method	GENSCAN
Start	4641	End	7865
GI	none	Score	.74
Exons	4641..4793, 5240..5457, 6348..6587, 6678..6869, 7658..7865		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o2.tw	Method	TBLASTX:Wheat
Start	6346	End	6807
GI	none	Score	91
Exons	6346..6576, 6347..6571, 6685..6807		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.tm	Method	TBLASTX:Maize
Start	6397	End	6846
GI	none	Score	230
Exons	6397..6588, 6398..6589, 6398..6589, 6674..6814, 6676..6840, 6676..6846.		

Seq. No.	39915	Seq. ID	OJ000209_19.0412.C1
Gene No.	82549	Strand	-
Start	263	End	7920
Name	OJ000209_19.0412.C1.o1.ts	Method	TBLASTX:Soybean
Start	6451	End	6808
GI	none	Score	129
Exons	6451..6591, 6458..6592, 6676..6807, 6677..6808		

Seq. No.	39916	Seq. ID	OJ000209_19.0412.C2
Gene No.	82550	Strand	+
Start	923	End	5047
Name	OJ000209_19.0412.C2.o1.gs	Method	GENSCAN
Start	923	End	5047
GI	none	Score	.46
Exons	923..1211, 1986..2174, 2253..2405, 2579..2613, 4846..5047		

Seq. No.	39916	Seq. ID	OJ000209_19.0412.C2
Gene No.	82551	Strand	-
Start	5353	End	9502
Name	OJ000209_19.0412.C2.o2.gs	Method	GENSCAN
Start	5353	End	9502
GI	none	Score	.6
Exons	5353..5455, 5789..5868, 6823..7010, 7067..7116, 7572..7806, 9448..9502		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82552	Strand	+
Start	50	End	833
Name	OJ000209_19.0412.C3.o1.gs	Method	GENSCAN
Start	50	End	833
GI	none	Score	.73

Exons 50..132, 376..493, 726..833

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82553	Strand	+
Start	4417	End	6439
Name	OJ000209_19.0412.C3.o3.gs	Method	GENSCAN
Start	4417	End	6439
GI	none	Score	.87
Exons	4417..4542, 4618..4650, 5107..5165, 5264..5439, 6357..6439		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82553	Strand	+
Start	4417	End	6439
Name	OJ000209_19.0412.C3.o2.np	Method	AAT/NAP
Start	4429	End	6403
GI	1532175	Score	381
Exons	4429..4542, 5107..5165, 5264..5439, 6357..6403		
GI Descrip.	(U63815) similar to protein disulfide isomerase [Arabidopsis thaliana]		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82554	Strand	-
Start	1118	End	2127
Name	OJ000209_19.0412.C3.o1.gp	Method	AAT/GAP
Start	1118	End	2127
GI	14902_1.R1084	Score	1229
Exons	1118..1648, 2015..2127		
GI Descrip.	'2407286/gb AF017366 AF017366 2.0e-59 Oryza sativa metallothionein-like protein mRNA, complete cds'		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82554	Strand	-
Start	1118	End	2127
Name	OJ000209_19.0412.C3.o2.gs	Method	GENSCAN
Start	1483	End	2067
GI	none	Score	.98
Exons	1483..1648, 2015..2067		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82554	Strand	-
Start	1118	End	2127
Name	OJ000209_19.0412.C3.o1.np	Method	AAT/NAP
Start	1486	End	2067
GI	2407287	Score	319
Exons	1486..1648, 2015..2067		
GI Descrip.	(AF017366) metallothionein-like protein [Oryza sativa]		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o2.tm	Method	TBLASTX:Maize
Start	1364	End	2071
GI	none	Score	38
Exons	1364..1432, 1483..1563, 1487..1564, 1501..1527, 1573..1653, 1574..1642, 2015..2071		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
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Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o2.tw	Method	TBLASTX:Wheat
Start	1421	End	2086
GI	none	Score	168
Exons	1421..1600, 1477..1599, 1501..1527, 1591..1653, 1600..1653, 2015..2086		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o1.tm	Method	TBLASTX:Maize
Start	4495	End	6430
GI	none	Score	74
Exons	4495..4545, 5106..5165, 5107..5163, 5264..5440, 5265..5441, 6356..6430		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o1.tw	Method	TBLASTX:Wheat
Start	4495	End	5397
GI	none	Score	73
Exons	4495..4545, 5089..5169, 5106..5156, 5106..5171, 5107..5163, 5264..5395, 5265..5396, 5266..5397		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o1.tc	Method	TBLASTX:Cress
Start	4501	End	6418
GI	none	Score	64
Exons	4501..4545, 5106..5165, 5107..5163, 5262..5441, 5264..5326, 5330..5440, 6356..6418		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o1.ts	Method	TBLASTX:Soybean
Start	5106	End	6430
GI	none	Score	115
Exons	5106..5165, 5107..5163, 5262..5441, 5264..5443, 5265..5441, 6356..6430		

Seq. No.	39917	Seq. ID	OJ000209_19.0412.C3
Gene No.	82555	Strand	-
Start	6344	End	6691
Name	OJ000209_19.0412.C3.o2.gp	Method	AAT/GAP
Start	6344	End	6691
GI	none	Score	603
Exons	6344..6691		

Seq. No.	39918	Seq. ID	OJ000209_19.0412.C4
Gene No.	82556	Strand	+
Start	70	End	913
Name	OJ000209_19.0412.C4.o1.gs	Method	GENSCAN
Start	70	End	913

GI	none	Score	.59
Exons	70..153, 525..659, 824..913		
Seq. No.	39918	Seq. ID	OJ000209_19.0412.C4
Gene No.	82557	Strand	-
Start	268	End	774
Name	OJ000209_19.0412.C4.o1.gp	Method	AAT/GAP
Start	268	End	774
GI	20795_1.R1084	Score	974
Exons	268..774		
GI Descrip.	'4371292/gb AAD18150 2.0e-14 (AC006260) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82558	Strand	+
Start	1824	End	2021
Name	OJ000209_19.0412.C5.o1.gp	Method	AAT/GAP
Start	1824	End	2021
GI	LIB3433-016-Q6-K6-C4	Score	310
Exons	1824..2021		
GI Descrip.	'4371292/gb AAD18150 1.0e-16 (AC006260) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82559	Strand	-
Start	356	End	2589
Name	OJ000209_19.0412.C5.o1.np	Method	AAT/NAP
Start	356	End	2589
GI	5668771	Score	161
Exons	356..386, 1825..2589		
GI Descrip.	(AC005916) Contains similarity to gb D88035 glycoprotein specific UDP-glucuronyltransferase from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82559	Strand	-
Start	356	End	2589
Name	OJ000209_19.0412.C5.o2.np	Method	AAT/NAP
Start	1829	End	2450
GI	4371292	Score	239
Exons	1829..2450		
GI Descrip.	(AC006260) unknown protein [Arabidopsis thaliana]		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o1.ts	Method	TBLASTX:Soybean
Start	1827	End	2414
GI	none	Score	79
Exons	1827..1952, 1944..2066, 2314..2412, 2334..2414		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o4.tm	Method	TBLASTX:Maize
Start	1830	End	2141
GI	none	Score	79

Exons 1830..1955, 1945..2139, 1977..2141

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o3.np	Method	AAT/NAP
Start	5558	End	10287
GI	6069646	Score	84
Exons	5558..5973, 6121..6209, 10225..10287		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o2.gp	Method	AAT/GAP
Start	6716	End	6786
GI	72424_1.R1084	Score	81
Exons	6716..6786		
GI Descrip.	'2842493/emb CAA16890.1 8.0e-32 (AL021749) predicted protein [Arabidopsis thaliana]'		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o3.gs	Method	GENSCAN
Start	8995	End	15975
GI	none	Score	.87
Exons	8995..9581, 10724..10852, 11650..11839, 12395..13870, 13988..14013, 15153..15201, 15571..15629, 15767..15975		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o1.tm	Method	TBLASTX:Maize
Start	9015	End	11788
GI	none	Score	115
Exons	9015..9140, 9016..9234, 9016..9180, 9224..9529, 9242..9442, 9243..9530, 9244..9492, 11644..11787, 11645..11788, 11654..11788		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o2.tm	Method	TBLASTX:Maize
Start	10643	End	11166
GI	none	Score	99
Exons	10643..10750, 10650..10751, 10653..10751, 10660..10752, 10744..10899, 10750..10896, 10898..11005, 10902..10985, 11036..11089, 11037..11090, 11104..11166		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o4.np	Method	AAT/NAP

Start	12501	End	13870
GI	7485529	Score	78
Exons	12501..12589, 13715..13870		
GI Descrip.	hypothetical protein F16A16.130 - Arabidopsis thaliana gi 4218122 emb CAA22976.1 (AL035353) putative protein [Arabidopsis thaliana] gi 7269731 emb CAB81464.1 (AL161573) putative protein [Arabidopsis thaliana]		

Seq. No.	39919	Seq. ID	OJ000209_19.0412.C5
Gene No.	82560	Strand	-
Start	5558	End	15975
Name	OJ000209_19.0412.C5.o3.tm	Method	TBLASTX:Maize
Start	13593	End	14053
GI	none	Score	37
Exons	13593..13616, 13617..13823, 13619..13840, 13825..13881, 13834..13869, 13986..14009, 14009..14053		

Seq. No.	39920	Seq. ID	OJ000209_19.0412.C6
Gene No.	82561	Strand	-
Start	1659	End	2202
Name	OJ000209_19.0412.C6.o1.gs	Method	GENSCAN
Start	1659	End	2202
GI	none	Score	.54
Exons	1659..1744, 2121..2202		

Seq. No.	39921	Seq. ID	OJ000209_19.0412.C7
Gene No.	82562	Strand	-
Start	885	End	2842
Name	OJ000209_19.0412.C7.o1.gs	Method	GENSCAN
Start	885	End	2842
GI	none	Score	.64
Exons	885..975, 2225..2267, 2686..2842		

Seq. No.	39922	Seq. ID	OJ000209_19.0412.C8
Gene No.	82563	Strand	+
Start	60	End	3055
Name	OJ000209_19.0412.C8.o1.gs	Method	GENSCAN
Start	60	End	3055
GI	none	Score	.58
Exons	60..192, 335..386, 2091..2327, 2437..2640, 2938..3055		

Seq. No.	39922	Seq. ID	OJ000209_19.0412.C8
Gene No.	82564	Strand	-
Start	1	End	2274
Name	OJ000209_19.0412.C8.o1.np	Method	AAT/NAP
Start	1	End	2274
GI	5852093	Score	58
Exons	1..24, 783..866, 2211..2274		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	39922	Seq. ID	OJ000209_19.0412.C8
Gene No.	82565	Strand	-
Start	2218	End	2332
Name	OJ000209_19.0412.C8.o1.gp	Method	AAT/GAP
Start	2218	End	2332
GI	none	Score	140
Exons	2218..2332		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82566	Strand	+
Start	129	End	230
Name	OJ000209_19.0412.C9.o1.gs	Method	GENSCAN
Start	129	End	230
GI	none	Score	.8
Exons	129..230		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82567	Strand	+
Start	1534	End	1872
Name	OJ000209_19.0412.C9.o2.gs	Method	GENSCAN
Start	1534	End	1872
GI	none	Score	.86
Exons	1534..1872		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82568	Strand	+
Start	3731	End	8920
Name	OJ000209_19.0412.C9.o3.gs	Method	GENSCAN
Start	3731	End	4895
GI	none	Score	.91
Exons	3731..3745, 4068..4895		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82568	Strand	+
Start	3731	End	8920
Name	OJ000209_19.0412.C9.o1.np	Method	AAT/NAP
Start	4084	End	8670
GI	4510398	Score	413
Exons	4084..4194, 4225..4407, 4503..4709, 6806..6875, 8555..8670		
GI Descrip.	(AC006587) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82568	Strand	+
Start	3731	End	8920
Name	OJ000209_19.0412.C9.o4.gs	Method	GENSCAN
Start	6764	End	7706
GI	none	Score	.78
Exons	6764..6774, 6806..6965, 7485..7706		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82568	Strand	+
Start	3731	End	8920
Name	OJ000209_19.0412.C9.o5.gs	Method	GENSCAN
Start	8521	End	8920
GI	none	Score	.73
Exons	8521..8688, 8792..8920		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82569	Strand	+
Start	9543	End	11391
Name	OJ000209_19.0412.C9.o6.gs	Method	GENSCAN
Start	9543	End	11391
GI	none	Score	.78
Exons	9543..9614, 10794..10983, 11090..11391		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82570	Strand	+
Start	13895	End	17603
Name	OJ000209_19.0412.C9.o8.gs	Method	GENSCAN
Start	13895	End	16509
GI	none	Score	.82
Exons	13895..13984, 14704..14852, 15616..15673, 15725..15934, 16012..16107, 16202..16324, 16339..16509		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82570	Strand	+
Start	13895	End	17603
Name	OJ000209_19.0412.C9.o4.np	Method	AAT/NAP
Start	14546	End	17603
GI	7292924	Score	248
Exons	14546..14593, 14704..14852, 15268..15359, 15594..15673, 15767..15988, 16024..16116, 16208..16324, 17579..17603		
GI Descrip.	(AE003493) rdgB gene product [alt 1] [Drosophila melanogaster] gi 7292925 gb AAF48316.1 (AE003493) rdgB gene product [alt 2] [Drosophila melanogaster]		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82571	Strand	-
Start	10417	End	10859
Name	OJ000209_19.0412.C9.o2.np	Method	AAT/NAP
Start	10417	End	10859
GI	7242910	Score	99
Exons	10417..10502, 10723..10859		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82572	Strand	-
Start	11663	End	12471
Name	OJ000209_19.0412.C9.o1.tc	Method	TBLASTX:Cress
Start	4266	End	4652
GI	none	Score	189
Exons	4266..4397, 4267..4407, 4493..4615, 4497..4652		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82572	Strand	-
Start	11663	End	12471
Name	OJ000209_19.0412.C9.o2.tm	Method	TBLASTX:Maize
Start	4266	End	4595
GI	none	Score	204
Exons	4266..4409, 4267..4407, 4488..4589, 4497..4595, 4502..4594		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82572	Strand	-
Start	11663	End	12471
Name	OJ000209_19.0412.C9.o1.ts	Method	TBLASTX:Soybean
Start	4312	End	4748
GI	none	Score	156
Exons	4312..4407, 4314..4403, 4315..4407, 4497..4748, 4502..4615		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82572	Strand	-

Start	11663	End	12471
Name	OJ000209_19.0412.C9.o3.np	Method	AAT/NAP
Start	11581	End	12124
GI	7363274	Score	174
Exons	11581..11694, 11946..12124		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F17A8; putative protein. (AL049482) [Oryza sativa]		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82572	Strand	-
Start	11663	End	12471
Name	OJ000209_19.0412.C9.o7.gs	Method	GENSCAN
Start	11663	End	12471
GI	none	Score	.63
Exons	11663..11730, 12326..12401, 12457..12471		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82573	Strand	-
Start	14564	End	16076
Name	OJ000209_19.0412.C9.o4.tm	Method	TBLASTX:Maize
Start	14564	End	16076
GI	none	Score	45
Exons	14564..14593, 14564..14593, 14685..14762, 14686..14805, 14699..14791, 14724..14852, 14797..14865, 14814..14852, 15174..15215, 15260..15358, 15265..15384, 16020..16073, 16023..16076, 16024..16074		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82573	Strand	-
Start	14564	End	16076
Name	OJ000209_19.0412.C9.o1.tm	Method	TBLASTX:Maize
Start	15596	End	15936
GI	none	Score	149
Exons	15596..15685, 15601..15696, 15764..15934, 15764..15934, 15775..15936		

Seq. No.	39923	Seq. ID	OJ000209_19.0412.C9
Gene No.	82574	Strand	-
Start	16196	End	16500
Name	OJ000209_19.0412.C9.o3.tm	Method	TBLASTX:Maize
Start	16196	End	16500
GI	none	Score	218
Exons	16196..16324, 16201..16335, 16202..16324, 16392..16478, 16422..16499, 16435..16500, 16438..16500		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82575	Strand	+
Start	217	End	942
Name	OJ000209_19.0412.C10.o1.gs	Method	GENSCAN
Start	217	End	942
GI	none	Score	.63
Exons	217..307, 843..942		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82576	Strand	+
Start	2938	End	3223
Name	OJ000209_19.0412.C10.o1.np	Method	AAT/NAP

Start	2938	End	3223
GI	3023377	Score	199
Exons	2938..3018, 3143..3223		
GI Descrip.	LOW-TEMPERATURE INDUCED PROTEIN BLT101 (SALT-STRESS INDUCED HYDROPHOBIC PEPTIDE ESI3) gi 629776 pir S40406 blt101 protein - barley gi 439273 emb CAA80984 (Z25537) 54 amino acids [Hordeum vulgare] gi 551068 gb AAA21847.1 (U00966) salt-stress induced hydrophobic peptide [Elytrigia elongata]		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82577	Strand	+
Start	10227	End	14063
Name	OJ000209_19.0412.C10.o3.np	Method	AAT/NAP
Start	10227	End	14063
GI	1172704	Score	370
Exons	10227..10281, 11877..12214, 12243..12718, 14039..14063		
GI Descrip.	PEPTIDE TRANSPORTER PTR2-B (HISTIDINE TRANSPORTING PROTEIN) gi 633940 (L39082) transport protein [Arabidopsis thaliana] gi 4406786 gb AAD20096.1 (AC006532) histidine transport protein (PTR2-B) [Arabidopsis thaliana]		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82577	Strand	+
Start	10227	End	14063
Name	OJ000209_19.0412.C10.o4.gs	Method	GENSCAN
Start	11256	End	12883
GI	none	Score	.45
Exons	11256..11258, 11813..12018, 12029..12145, 12147..12707, 12766..12883		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82578	Strand	+
Start	22581	End	24852
Name	OJ000209_19.0412.C10.o6.gs	Method	GENSCAN
Start	22581	End	24852
GI	none	Score	.63
Exons	22581..23109, 23220..23385, 23972..24011, 24188..24395, 24728..24852		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82578	Strand	+
Start	22581	End	24852
Name	OJ000209_19.0412.C10.o4.np	Method	AAT/NAP
Start	22595	End	23406
GI	2462825	Score	312
Exons	22595..22814, 22902..23063, 23302..23406		
GI Descrip.	(AF000657) contains Procite 'RNP1' putative RNA-binding region [Arabidopsis thaliana]		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82579	Strand	+
Start	25840	End	26191
Name	OJ000209_19.0412.C10.o7.gs	Method	GENSCAN
Start	25840	End	26191
GI	none	Score	.82
Exons	25840..26014, 26148..26191		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82580	Strand	+
Start	34500	End	34918
Name	OJ000209_19.0412.C10.o3.gp	Method	AAT/GAP
Start	34500	End	34918
GI	none	Score	817
Exons	34500..34918		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82581	Strand	-
Start	6690	End	9714
Name	OJ000209_19.0412.C10.o3.gs	Method	GENSCAN
Start	6690	End	9714
GI	none	Score	.79
Exons	6690..6890, 7019..7219, 7312..7394, 7473..7986, 8068..8211, 8732..8983, 9595..9714		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82581	Strand	-
Start	6690	End	9714
Name	OJ000209_19.0412.C10.o2.np	Method	AAT/NAP
Start	6980	End	9712
GI	6996265	Score	1106
Exons	6980..7212, 7308..7986, 8068..8211, 8732..8983, 9595..9712		
GI Descrip.	(AL138657) putative protein [Arabidopsis thaliana]		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o6.tm	Method	TBLASTX:Maize
Start	2928	End	3226
GI	none	Score	132
Exons	2928..3014, 2928..3020, 2929..3021, 2929..3021, 3125..3226, 3131..3220, 3145..3222		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o8.ts	Method	TBLASTX:Soybean
Start	2938	End	3226
GI	none	Score	115
Exons	2938..3021, 2943..3020, 3125..3226, 3145..3216		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o4.tw	Method	TBLASTX:Wheat
Start	2944	End	3237
GI	none	Score	95
Exons	2944..3012, 2949..3014, 3132..3215, 3133..3237, 3134..3235		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o4.ts	Method	TBLASTX:Soybean
Start	7073	End	7540
GI	none	Score	53

Exons 7073..7195, 7098..7184, 7301..7444, 7309..7425, 7435..7539, 7445..7540

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o2.tm	Method	TBLASTX:Maize
Start	7348	End	8981
GI	none	Score	156
Exons	7348..7599, 7349..7600, 7630..7746, 7640..7747, 7747..7917, 7760..7921, 7927..7986, 8068..8214, 8069..8212, 8729..8980, 8730..8981		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o1.tw	Method	TBLASTX:Wheat
Start	7358	End	7689
GI	none	Score	182
Exons	7358..7657, 7360..7599, 7630..7689		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o2.ts	Method	TBLASTX:Soybean
Start	7639	End	8121
GI	none	Score	79
Exons	7639..7749, 7640..7747, 7753..7917, 7754..7909, 7769..7924, 7945..7989, 8071..8121		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o3.tc	Method	TBLASTX:Cress
Start	8128	End	8983
GI	none	Score	115
Exons	8128..8214, 8711..8983, 8717..8941, 8730..8957		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o7.ts	Method	TBLASTX:Soybean
Start	8765	End	8980
GI	none	Score	133
Exons	8765..8980, 8766..8960		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o2.tc	Method	TBLASTX:Cress
Start	11891	End	12687
GI	none	Score	133
Exons	11891..12040, 12033..12146, 12153..12200, 12273..12332, 12274..12339, 12451..12687		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-

Start	27067	End	30977
Name	OJ000209_19.0412.C10.o5.tm	Method	TBLASTX:Maize
Start	11912	End	12669
GI	none	Score	104
Exons	11912..12040, 11914..12027, 12033..12140, 12161..12205, 12270..12350, 12271..12339, 12451..12669		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o5.ts	Method	TBLASTX:Soybean
Start	11912	End	12690
GI	none	Score	94
Exons	11912..12019, 11926..12021, 12159..12200, 12247..12339, 12270..12344, 12451..12690		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o4.tm	Method	TBLASTX:Maize
Start	22652	End	22834
GI	none	Score	281
Exons	22652..22834, 22653..22832		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o3.ts	Method	TBLASTX:Soybean
Start	22658	End	23000
GI	none	Score	224
Exons	22658..22831, 22659..22847, 22950..23000		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o4.tc	Method	TBLASTX:Cress
Start	22664	End	23006
GI	none	Score	223
Exons	22664..22831, 22665..22838, 22902..23006, 22952..22999		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o3.tw	Method	TBLASTX:Wheat
Start	23973	End	24852
GI	none	Score	66
Exons	23973..24011, 23973..24041, 24130..24174, 24134..24160, 24148..24192, 24149..24187, 24168..24212, 24184..24234, 24205..24252, 24206..24280, 24254..24319, 24280..24318, 24367..24393, 24368..24394, 24796..24825, 24826..24852		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o1.gp	Method	AAT/GAP
Start	26652	End	28968
GI	2977_1.R1084	Score	1598

Exons 26652..27216, 28523..28751, 28921..28968
 GI Descrip. '6056196/gb|AAF02813.1|AC009400_9 8.0e-47 (AC009400) unknown protein [Arabidopsis thaliana]'

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o3.tm	Method	TBLASTX:Maize
Start	26686	End	27219
GI	none	Score	58
Exons	26686..26733, 26689..26724, 26777..26833, 26780..26833, 26782..26835, 26788..26835, 26833..26898, 26836..26892, 26876..26902, 26877..26903, 26909..26944, 26910..26945, 26916..26963, 26917..26946, 26955..27035, 26955..27038, 26965..27039, 27032..27079, 27042..27080, 27042..27080, 27072..27200, 27074..27217, 27074..27217, 27076..27219		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o2.tw	Method	TBLASTX:Wheat
Start	26777	End	27108
GI	none	Score	155
Exons	26777..26896, 26779..26898, 26779..26895, 26787..26900, 26897..26932, 26898..26927, 26931..27104, 26953..27108, 26954..27106		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o8.gs	Method	GENSCAN
Start	27067	End	30787
GI	none	Score	.89
Exons	27067..27216, 28523..28751, 28921..29024, 30302..30787		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o5.np	Method	AAT/NAP
Start	27073	End	30890
GI	6056196	Score	1034
Exons	27073..27216, 28523..28751, 28921..29024, 30302..30890		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o6.ts	Method	TBLASTX:Soybean
Start	27073	End	28585
GI	none	Score	76
Exons	27073..27207, 27073..27219, 27074..27217, 28520..28585		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o5.tc	Method	TBLASTX:Cress
Start	27073	End	28693

GI	none	Score	177
Exons	27073..27219, 27074..27223, 28520..28693, 28584..28688		
Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o1.tm	Method	TBLASTX:Maize
Start	28466	End	30728
GI	none	Score	293
Exons	28466..28750, 28469..28765, 28503..28751, 28582..28767, 28917..29024, 28920..29024, 28921..29025, 30302..30727, 30303..30728		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o1.ts	Method	TBLASTX:Soybean
Start	28586	End	30728
GI	none	Score	134
Exons	28586..28750, 28595..28750, 28920..29024, 28921..29025, 30302..30727, 30429..30728		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o1.tc	Method	TBLASTX:Cress
Start	30431	End	30721
GI	none	Score	154
Exons	30431..30721, 30432..30695		

Seq. No.	39924	Seq. ID	OJ000209_19.0412.C10
Gene No.	82582	Strand	-
Start	27067	End	30977
Name	OJ000209_19.0412.C10.o2.gp	Method	AAT/GAP
Start	30443	End	30977
GI	40982_1.R1084	Score	986
Exons	30443..30977		
GI Descrip.	'6056196/gb AAF02813.1 AC009400_9 5.0e-27 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39925	Seq. ID	OJ000209_19.0412.C12
Gene No.	82583	Strand	+
Start	534	End	654
Name	OJ000209_19.0412.C12.o1.gs	Method	GENSCAN
Start	534	End	654
GI	none	Score	.41
Exons	534..654		

Seq. No.	39925	Seq. ID	OJ000209_19.0412.C12
Gene No.	82584	Strand	-
Start	461	End	797
Name	OJ000209_19.0412.C12.o1.tm	Method	TBLASTX:Maize
Start	452	End	669
GI	none	Score	103
Exons	452..532, 453..518, 457..519, 464..523, 560..661, 584..661, 586..666, 586..669		

Seq. No.	39925	Seq. ID	OJ000209_19.0412.C12
Gene No.	82584	Strand	-
Start	461	End	797
Name	OJ000209_19.0412.C12.o1.np	Method	AAT/NAP
Start	461	End	797
GI	6466946	Score	98
Exons	461..517, 586..663, 778..797		
GI Descrip.	(AC009176) putative P-protein: chorismate mutase, prephenate dehydratase [Arabidopsis thaliana]		

Seq. No.	39926	Seq. ID	OJ000209_19.0412.C13
Gene No.	82585	Strand	+
Start	338	End	2697
Name	OJ000209_19.0412.C13.o1.gp	Method	AAT/GAP
Start	338	End	2697
GI	152_1.R1084	Score	853
Exons	338..535, 631..805, 900..965, 2322..2381, 2654..2697		
GI Descrip.	'1321661/dbj BAA08264 1.0e-144 (D45423) ascorbate peroxidase [Oryza sativa]'		

Seq. No.	39926	Seq. ID	OJ000209_19.0412.C13
Gene No.	82585	Strand	+
Start	338	End	2697
Name	OJ000209_19.0412.C13.o1.tc	Method	TBLASTX:Cress
Start	416	End	977
GI	none	Score	119
Exons	416..517, 417..512, 631..798, 632..808, 918..977		

Seq. No.	39926	Seq. ID	OJ000209_19.0412.C13
Gene No.	82585	Strand	+
Start	338	End	2697
Name	OJ000209_19.0412.C13.o1.tm	Method	TBLASTX:Maize
Start	416	End	2372
GI	none	Score	144
Exons	416..517, 417..512, 473..526, 492..536, 625..807, 628..699, 632..844, 886..975, 891..965, 2302..2370, 2319..2372		

Seq. No.	39926	Seq. ID	OJ000209_19.0412.C13
Gene No.	82585	Strand	+
Start	338	End	2697
Name	OJ000209_19.0412.C13.o1.tw	Method	TBLASTX:Wheat
Start	416	End	807
GI	none	Score	148
Exons	416..517, 417..512, 473..526, 492..536, 625..807, 628..696, 632..805		

Seq. No.	39926	Seq. ID	OJ000209_19.0412.C13
Gene No.	82585	Strand	+
Start	338	End	2697
Name	OJ000209_19.0412.C13.o1.gs	Method	GENSCAN
Start	417	End	2370
GI	none	Score	.7
Exons	417..535, 631..805, 900..965, 2322..2370		

Seq. No.	39926	Seq. ID	OJ000209_19.0412.C13
Gene No.	82585	Strand	+
Start	338	End	2697

Name	OJ000209_19.0412.C13.o1.ts	Method	TBLASTX:Soybean
Start	417	End	748
GI	none	Score	117
Exons	417..512, 428..517, 625..744, 632..748		
Seq. No.	39926	Seq. ID	OJ000209_19.0412.C13
Gene No.	82585	Strand	+
Start	338	End	2697
Name	OJ000209_19.0412.C13.o1.np	Method	AAT/NAP
Start	417	End	2372
GI	7489542	Score	586
Exons	417..535, 631..805, 900..965, 2322..2372		
GI Descrip.	probable L-ascorbate peroxidase (EC 1.11.1.11) - rice gi 1321661 dbj BAA08264.1 (D45423) ascorbate peroxidase [Oryza sativa]		
Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82586	Strand	+
Start	1	End	1030
Name	OJ000209_19.0412.C14.o1.gp	Method	AAT/GAP
Start	1	End	1030
GI	152_1.R1084	Score	1164
Exons	1..66, 153..232, 328..430, 548..606, 693..1030		
GI Descrip.	'1321661/dbj BAA08264 1.0e-144 (D45423) ascorbate peroxidase [Oryza sativa]'		
Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82586	Strand	+
Start	1	End	1030
Name	OJ000209_19.0412.C14.o1.gs	Method	GENSCAN
Start	16	End	708
GI	none	Score	.91
Exons	16..66, 153..232, 328..430, 548..606, 693..708		
Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o3.ts	Method	TBLASTX:Soybean
Start	1	End	604
GI	none	Score	39
Exons	1..30, 18..62, 19..72, 162..230, 164..232, 347..430, 548..604		
Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o2.tc	Method	TBLASTX:Cress
Start	1	End	607
GI	none	Score	89
Exons	1..66, 3..65, 12..68, 152..232, 153..230, 154..234, 309..428, 314..430, 332..427, 548..607		
Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o3.tm	Method	TBLASTX:Maize
Start	1	End	609
GI	none	Score	105

Exons 1..66, 3..71, 12..68, 152..232, 153..230, 154..234, 314..430, 315..431, 327..428, 492..608, 537..608, 538..609

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o2.tw	Method	TBLASTX:Wheat
Start	1	End	4823
GI	none	Score	100
Exons	1..66, 12..68, 14..67, 15..71, 88..231, 151..231, 152..232, 153..233, 329..430, 329..427, 537..605, 537..620, 548..607, 4770..4823		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o2.gp	Method	AAT/GAP
Start	1993	End	3218
GI	70162_1.R1084	Score	1124
Exons	1993..2376, 2907..3090, 3175..3218		
GI Descrip.	'3396052 3.0e-65 (AF079318) MAP kinase homolog [Triticum aestivum]'		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o1.tm	Method	TBLASTX:Maize
Start	2071	End	3468
GI	none	Score	53
Exons	2071..2133, 2071..2142, 2195..2377, 2205..2342, 2309..2380, 2891..3091, 2907..2954, 2908..3093, 2908..3093, 3170..3466, 3170..3235, 3172..3468		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o2.gs	Method	GENSCAN
Start	2204	End	9498
GI	none	Score	.74
Exons	2204..2376, 2907..3507, 3639..3776, 3891..4020, 4335..4508, 4787..4927, 5042..5175, 5331..5464, 7357..7520, 7577..7757, 7890..7985, 8130..8286, 8424..8519, 8638..8751, 8895..8958, 9389..9498		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o1.np	Method	AAT/NAP
Start	2207	End	4486
GI	1362151	Score	1684
Exons	2207..2376, 2907..3090, 3175..3507, 3639..3776, 3891..4020, 4335..4486		
GI Descrip.	mitogen-activated protein kinase 1 homolog (clone Aspk9) - oat gi 871984 emb CAA56314.1 (X79993) MAP KINASE [Avena sativa]		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-

Start	2204	End	9533
Name	OJ000209_19.0412.C14.o4.tw	Method	TBLASTX:Wheat
Start	2216	End	2983
GI	none	Score	82
Exons	2216..2425, 2220..2342, 2908..2979, 2909..2983		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o1.tc	Method	TBLASTX:Cress
Start	2219	End	4480
GI	none	Score	91
Exons	2219..2377, 2220..2345, 2908..3093, 2909..3085, 3172..3510, 3176..3508, 3639..3788, 3643..3672, 3721..3777, 3886..4020, 3888..4031, 4335..4442, 4337..4480		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o1.ts	Method	TBLASTX:Soybean
Start	2219	End	4472
GI	none	Score	96
Exons	2219..2377, 2220..2342, 2908..3093, 2909..3085, 3172..3510, 3173..3508, 3639..3704, 3639..3788, 3721..3774, 3886..4020, 3888..4031, 3933..4022, 4335..4418, 4337..4471, 4437..4472		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o1.tw	Method	TBLASTX:Wheat
Start	3205	End	3689
GI	none	Score	224
Exons	3205..3510, 3206..3508, 3639..3689		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o3.gp	Method	AAT/GAP
Start	3461	End	4744
GI	69366_1.R1084	Score	1367
Exons	3461..3507, 3639..3776, 3891..4020, 4335..4744		
GI Descrip.	'1362151/pir S56638 1.0e-77 mitogen-activated protein kinase 1 homolog (clone Aspk9) - oat >gi_871984_emb_CAA56314_ (X79993) MAP KINASE [Avena sativa]'		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o2.tm	Method	TBLASTX:Maize
Start	3469	End	4486
GI	none	Score	76
Exons	3469..3510, 3470..3508, 3471..3530, 3635..3691, 3639..3707, 3639..3788, 3640..3777, 3886..4020, 3888..4031, 3933..4022, 4335..4475, 4337..4486		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-

Start	2204	End	9533
Name	OJ000209_19.0412.C14.o3.tw	Method	TBLASTX:Wheat
Start	3690	End	4441
GI	none	Score	110
Exons	3690..3788, 3871..3963, 3888..4031, 3892..4020, 4329..4418, 4337..4441, 4337..4441		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o4.gp	Method	AAT/GAP
Start	7042	End	8117
GI	none	Score	1638
Exons	7042..7757, 7890..7985, 8087..8117		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o2.np	Method	AAT/NAP
Start	7379	End	9495
GI	6729501	Score	569
Exons	7379..7696, 7895..7991, 8087..8286, 8436..8618, 9389..9495		
GI Descrip.	(AL132966) splicing factor-like protein [Arabidopsis thaliana]		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o4.tm	Method	TBLASTX:Maize
Start	7414	End	9517
GI	none	Score	42
Exons	7414..7488, 7440..7460, 7476..7514, 7481..7573, 7499..7555, 7504..7554, 7538..7585, 7538..7576, 7591..7641, 7656..7706, 7660..7707, 7663..7716, 7699..7740, 7719..7748, 7951..8001, 7952..8002, 8086..8268, 8087..8269, 8100..8276, 8157..8276, 8421..8519, 8422..8520, 8633..8680, 8638..8679, 9388..9498, 9389..9517		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o2.ts	Method	TBLASTX:Soybean
Start	8087	End	9533
GI	none	Score	238
Exons	8087..8299, 8089..8298, 8408..8464, 8424..8531, 8425..8532, 8638..8679, 9388..9495, 9389..9496, 9390..9533, 9390..9500		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-
Start	2204	End	9533
Name	OJ000209_19.0412.C14.o3.tc	Method	TBLASTX:Cress
Start	8096	End	9518
GI	none	Score	244
Exons	8096..8353, 8098..8322, 8424..8519, 8425..8520, 8441..8533, 8633..8680, 8638..8679, 9388..9495, 9389..9496, 9450..9518		

Seq. No.	39927	Seq. ID	OJ000209_19.0412.C14
Gene No.	82587	Strand	-

Start	2204	End	9533
Name	OJ000209_19.0412.C14.o5.gp	Method	AAT/GAP
Start	8151	End	9504
GI	3851_3.R1084	Score	622
Exons	8151..8286, 8424..8519, 8637..8677, 9389..9504		
GI Descrip.	'4056488 2.0e-20 (AC005896) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15
Gene No.	82588	Strand	+
Start	192	End	1358
Name	OJ000209_19.0412.C15.o1.gs	Method	GENSCAN
Start	192	End	1358
GI	none	Score	.97
Exons	192..206, 283..469, 730..1358		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15
Gene No.	82589	Strand	+
Start	3059	End	5774
Name	OJ000209_19.0412.C15.o1.np	Method	AAT/NAP
Start	3059	End	5774
GI	6539567	Score	366
Exons	3059..3093, 4531..4949, 5661..5774		
GI Descrip.	(AP000836) EST C72938 (E2506) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome I BAC T5A14 genomic sequence; unknown protein (AC005223) [Oryza sativa]		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15
Gene No.	82589	Strand	+
Start	3059	End	5774
Name	OJ000209_19.0412.C15.o3.gs	Method	GENSCAN
Start	4388	End	5034
GI	none	Score	.8
Exons	4388..4727, 4733..5034		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15
Gene No.	82590	Strand	-
Start	2272	End	2384
Name	OJ000209_19.0412.C15.o1.gp	Method	AAT/GAP
Start	2272	End	2384
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	2272..2384		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15
Gene No.	82591	Strand	-
Start	5227	End	5933
Name	OJ000209_19.0412.C15.o1.tm	Method	TBLASTX:Maize
Start	4517	End	4887
GI	none	Score	73
Exons	4517..4633, 4536..4595, 4540..4701, 4541..4702, 4699..4791, 4706..4798, 4788..4862, 4792..4887		

Seq. No.	39928	Seq. ID	OJ000209_19.0412.C15
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Gene No.	82591	Strand	-
Start	5227	End	5933
Name	OJ000209_19.0412.C15.o4.gs	Method	GENSCAN
Start	5227	End	5933
GI	none	Score	.75
Exons	5227..5330, 5558..5933		
Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.np	Method	AAT/NAP
Start	1	End	1706
GI	6466946	Score	360
Exons	1..41, 468..563, 1465..1706		
GI Descrip.	(AC009176) putative P-protein: chorismate mutase, prephenate dehydratase [Arabidopsis thaliana]		
Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.gs	Method	GENSCAN
Start	271	End	1581
GI	none	Score	.52
Exons	271..410, 471..563, 1465..1581		
Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.tm	Method	TBLASTX:Maize
Start	468	End	1665
GI	none	Score	123
Exons	468..572, 470..559, 1462..1665, 1464..1661		
Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.tw	Method	TBLASTX:Wheat
Start	468	End	1665
GI	none	Score	110
Exons	468..572, 470..559, 1462..1665, 1464..1661		
Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.ts	Method	TBLASTX:Soybean
Start	468	End	1665
GI	none	Score	136
Exons	468..572, 470..559, 1462..1665, 1464..1661		
Seq. No.	39929	Seq. ID	OJ000209_19.0412.C16
Gene No.	82592	Strand	+
Start	1	End	1706
Name	OJ000209_19.0412.C16.o1.tc	Method	TBLASTX:Cress
Start	1477	End	1665
GI	none	Score	277
Exons	1477..1665, 1479..1661		

Seq. No.	39930	Seq. ID	OJ000209_19.0412.C19
Gene No.	82593	Strand	+
Start	775	End	926
Name	OJ000209_19.0412.C19.o1.gs	Method	GENSCAN
Start	775	End	926
GI	none	Score	.79
Exons	775..926		

Seq. No.	39931	Seq. ID	OJ000229_17.0405.C3
Gene No.	82594	Strand	+
Start	232	End	884
Name	OJ000229_17.0405.C3.o1.gs	Method	GENSCAN
Start	232	End	884
GI	none	Score	.58
Exons	232..323, 415..475, 687..884		

Seq. No.	39931	Seq. ID	OJ000229_17.0405.C3
Gene No.	82595	Strand	-
Start	172	End	547
Name	OJ000229_17.0405.C3.o1.gp	Method	AAT/GAP
Start	172	End	547
GI	none	Score	689
Exons	172..547		

Seq. No.	39932	Seq. ID	OJ000229_17.0405.C4
Gene No.	82596	Strand	+
Start	1	End	815
Name	OJ000229_17.0405.C4.o1.np	Method	AAT/NAP
Start	1	End	815
GI	322577	Score	447
Exons	1..118, 224..355, 546..640, 722..815		
GI Descrip.	Raf protein kinase homolog CTRL - Arabidopsis thaliana		

Seq. No.	39932	Seq. ID	OJ000229_17.0405.C4
Gene No.	82597	Strand	+
Start	772	End	2041
Name	OJ000229_17.0405.C4.o1.tm	Method	TBLASTX:Maize
Start	42	End	818
GI	none	Score	91
Exons	42..113, 49..117, 50..118, 216..356, 223..357, 224..361, 229..366, 230..361, 543..641, 545..634, 713..811, 723..818		

Seq. No.	39932	Seq. ID	OJ000229_17.0405.C4
Gene No.	82597	Strand	+
Start	772	End	2041
Name	OJ000229_17.0405.C4.o1.ts	Method	TBLASTX:Soybean
Start	46	End	797
GI	none	Score	109
Exons	46..117, 50..118, 223..351, 224..355, 229..357, 255..356, 542..640, 543..638, 555..644, 720..797		

Seq. No.	39932	Seq. ID	OJ000229_17.0405.C4
Gene No.	82597	Strand	+
Start	772	End	2041
Name	OJ000229_17.0405.C4.o1.tc	Method	TBLASTX:Cress
Start	49	End	817
GI	none	Score	104

Exons 49..117, 50..118, 223..357, 224..361, 543..635, 545..634, 713..817, 720..812

Seq. No.	39932	Seq. ID	OJ000229_17.0405.C4
Gene No.	82597	Strand	+
Start	772	End	2041
Name	OJ000229_17.0405.C4.o1.gp	Method	AAT/GAP
Start	772	End	2041
GI	none	Score	921
Exons	772..1009, 1797..2041		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82598	Strand	+
Start	1045	End	3280
Name	OJ000229_17.0405.C5.o1.gs	Method	GENSCAN
Start	1045	End	2334
GI	none	Score	.42
Exons	1045..2334		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82598	Strand	+
Start	1045	End	3280
Name	OJ000229_17.0405.C5.o1.gp	Method	AAT/GAP
Start	1924	End	3280
GI	none	Score	1385
Exons	1924..2314, 2944..3280		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82599	Strand	+
Start	6349	End	6407
Name	OJ000229_17.0405.C5.o2.gp	Method	AAT/GAP
Start	6349	End	6407
GI	16490_1.R1084	Score	87
Exons	6349..6407		
GI Descrip.	'4584525/emb CAB40756.1 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82600	Strand	+
Start	8356	End	11628
Name	OJ000229_17.0405.C5.o4.gs	Method	GENSCAN
Start	8356	End	11628
GI	none	Score	.79
Exons	8356..8467, 8552..8819, 8889..9617, 9717..10928, 10968..11628		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82600	Strand	+
Start	8356	End	11628
Name	OJ000229_17.0405.C5.o1.np	Method	AAT/NAP
Start	8356	End	11625
GI	5803259	Score	4552
Exons	8356..9617, 9717..11625		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82601	Strand	-
Start	3337	End	4116

Name	OJ000229_17.0405.C5.o2.gs	Method	GENSCAN
Start	3337	End	4116
GI	none	Score	.81
Exons	3337..3392, 3993..4116		
Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82602	Strand	-
Start	5958	End	7266
Name	OJ000229_17.0405.C5.o3.gs	Method	GENSCAN
Start	5958	End	7266
GI	none	Score	.52
Exons	5958..5977, 7116..7266		
Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82603	Strand	-
Start	12274	End	18429
Name	OJ000229_17.0405.C5.o5.gs	Method	GENSCAN
Start	12274	End	15939
GI	none	Score	1
Exons	12274..15939		
Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82603	Strand	-
Start	12274	End	18429
Name	OJ000229_17.0405.C5.o2.np	Method	AAT/NAP
Start	12277	End	18429
GI	7228457	Score	9291
Exons	12277..13827, 13894..15045, 15168..16002, 16066..18001, 18063..18429		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82603	Strand	-
Start	12274	End	18429
Name	OJ000229_17.0405.C5.o6.gs	Method	GENSCAN
Start	16003	End	18429
GI	none	Score	.99
Exons	16003..18429		
Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o7.tw	Method	TBLASTX:Wheat
Start	12286	End	12888
GI	none	Score	75
Exons	12286..12411, 12290..12412, 12472..12750, 12598..12888, 12605..12883, 12813..12884		
Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o4.tw	Method	TBLASTX:Wheat
Start	12889	End	13270
GI	none	Score	171
Exons	12889..13269, 12920..13168, 13214..13270		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o3.tm	Method	TBLASTX:Maize
Start	13084	End	13398
GI	none	Score	187
Exons	13084..13398, 13097..13363		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o8.tw	Method	TBLASTX:Wheat
Start	13600	End	13912
GI	none	Score	60
Exons	13600..13860, 13814..13912		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o2.ts	Method	TBLASTX:Soybean
Start	13660	End	14226
GI	5666795	Score	68
Exons	13660..13860, 13915..14052, 14128..14226		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o5.tw	Method	TBLASTX:Wheat
Start	13915	End	14373
GI	none	Score	87
Exons	13915..14064, 13916..14053, 13918..14055, 14111..14284, 14125..14373, 14125..14349		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o1.ts	Method	TBLASTX:Soybean
Start	14974	End	15345
GI	none	Score	90
Exons	14974..15345, 15185..15328		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o2.tw	Method	TBLASTX:Wheat
Start	14999	End	15424
GI	none	Score	323
Exons	14999..15424, 15004..15423		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o2.tm	Method	TBLASTX:Maize
Start	15097	End	15481
GI	none	Score	226

Exons 15097..15480, 15116..15481

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o1.tm	Method	TBLASTX:Maize
Start	15508	End	15864
GI	none	Score	69
Exons	15508..15624, 15508..15864, 15518..15829		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o1.tw	Method	TBLASTX:Wheat
Start	15532	End	15995
GI	none	Score	354
Exons	15532..15993, 15539..15994, 15552..15995		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o3.ts	Method	TBLASTX:Soybean
Start	15589	End	15954
GI	none	Score	106
Exons	15589..15723, 15730..15954		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o3.tw	Method	TBLASTX:Wheat
Start	16186	End	16645
GI	none	Score	175
Exons	16186..16644, 16190..16450, 16508..16645		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o6.tw	Method	TBLASTX:Wheat
Start	17383	End	17775
GI	none	Score	95
Exons	17383..17640, 17417..17656, 17623..17721, 17624..17716, 17728..17775		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o4.tm	Method	TBLASTX:Maize
Start	17485	End	17770
GI	none	Score	107
Exons	17485..17733, 17486..17770		

Seq. No.	39933	Seq. ID	OJ000229_17.0405.C5
Gene No.	82604	Strand	-
Start	18661	End	18888
Name	OJ000229_17.0405.C5.o3.np	Method	AAT/NAP
Start	18661	End	18888
GI	5042454	Score	71

Exons 18661..18729, 18861..18888
 GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	39934	Seq. ID	OJ000229_17.0405.C6
Gene No.	82605	Strand	+
Start	136	End	2196
Name	OJ000229_17.0405.C6.ol.gs	Method	GENSCAN
Start	136	End	2196
GI	none	Score	.88
Exons	136..288, 366..1332, 2018..2196		

Seq. No.	39935	Seq. ID	OJ000229_17.0405.C7
Gene No.	82606	Strand	-
Start	1	End	1132
Name	OJ000229_17.0405.C7.ol.np	Method	AAT/NAP
Start	1	End	1132
GI	322577	Score	339
Exons	1..26, 260..354, 620..770, 864..1132		
GI Descrip.	Raf protein kinase homolog CTRL - Arabidopsis thaliana		

Seq. No.	39935	Seq. ID	OJ000229_17.0405.C7
Gene No.	82606	Strand	-
Start	1	End	1132
Name	OJ000229_17.0405.C7.ol.tc	Method	TBLASTX:Cress
Start	256	End	1132
GI	none	Score	56
Exons	256..354, 259..351, 626..691, 707..754, 866..1015, 954..1130, 1025..1132		

Seq. No.	39935	Seq. ID	OJ000229_17.0405.C7
Gene No.	82606	Strand	-
Start	1	End	1132
Name	OJ000229_17.0405.C7.ol.tm	Method	TBLASTX:Maize
Start	867	End	1103
GI	none	Score	161
Exons	867..1007, 867...1007, 868..1008, 869..1009, 946..1095, 968..1093, 969..1103, 972..1094, 973..1095		

Seq. No.	39936	Seq. ID	OJ000229_17.0405.C9
Gene No.	82607	Strand	+
Start	553	End	3180
Name	OJ000229_17.0405.C9.ol.gs	Method	GENSCAN
Start	553	End	3180
GI	none	Score	.7
Exons	553..604, 633..963, 1043..1201, 3022..3180		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82608	Strand	+
Start	434	End	1417
Name	OJ000229_17.0405.C10.ol.gs	Method	GENSCAN
Start	434	End	1417
GI	none	Score	.77
Exons	434..574, 653..1417		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82609	Strand	-
Start	2409	End	3879

Name	OJ000229_17.0405.C10.o2.gs	Method	GENSCAN
Start	2409	End	3879
GI	none	Score	.65
Exons	2409..2500, 2845..2918, 3641..3879		
Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82610	Strand	-
Start	6097	End	7411
Name	OJ000229_17.0405.C10.o3.gs	Method	GENSCAN
Start	6097	End	7325
GI	none	Score	.66
Exons	6097..6201, 6213..7325		
Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82610	Strand	-
Start	6097	End	7411
Name	OJ000229_17.0405.C10.o1.np	Method	AAT/NAP
Start	6153	End	7411
GI	6579207	Score	1381
Exons	6153..7411		
GI Descrip.	(AC011438) T23G18.10 [Arabidopsis thaliana]		
Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o1.tc	Method	TBLASTX:Cress
Start	6148	End	7013
GI	none	Score	238
Exons	6148..6462, 6177..6461, 6459..6632, 6460..6603, 6726..6767, 6766..6813, 6768..7013, 6889..6987		
Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o1.tm	Method	TBLASTX:Maize
Start	6160	End	7106
GI	none	Score	723
Exons	6160..6813, 6180..7106, 6889..7089, 7032..7106		
Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o1.ts	Method	TBLASTX:Soybean
Start	6165	End	7103
GI	none	Score	103
Exons	6165..6278, 6166..6447, 6166..6318, 6177..6449, 6324..6455, 6432..6593, 6450..7103, 6451..6603, 6691..6813, 6889..7092, 7026..7103		
Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o2.tw	Method	TBLASTX:Wheat
Start	6181	End	6539
GI	none	Score	168
Exons	6181..6351, 6183..6317, 6184..6318, 6318..6362, 6319..6360, 6337..6531, 6363..6539, 6375..6539		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o1.tw	Method	TBLASTX:Wheat
Start	6702	End	7109
GI	none	Score	95
Exons	6702..6812, 6702..7109, 6703..6813, 6889..7089, 7020..7106		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o2.tm	Method	TBLASTX:Maize
Start	9097	End	9293
GI	none	Score	122
Exons	9097..9291, 9125..9292, 9129..9293		

Seq. No.	39937	Seq. ID	OJ000229_17.0405.C10
Gene No.	82611	Strand	-
Start	9128	End	9357
Name	OJ000229_17.0405.C10.o2.np	Method	AAT/NAP
Start	9128	End	9357
GI	7529718	Score	225
Exons	9128..9357		
GI Descrip.	(AL132969) nuclear envelope membrane protein-like [Arabidopsis thaliana]		

Seq. No.	39938	Seq. ID	OJ000229_17.0405.C12
Gene No.	82612	Strand	+
Start	333	End	833
Name	OJ000229_17.0405.C12.o1.gs	Method	GENSCAN
Start	333	End	833
GI	none	Score	.61
Exons	333..529, 611..723, 799..833		

Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13
Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o1.np	Method	AAT/NAP
Start	1	End	3481
GI	6069646	Score	567
Exons	1..21, 2324..3114, 3397..3481		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13
Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o2.tw	Method	TBLASTX:Wheat
Start	2218	End	2553
GI	none	Score	78
Exons	2218..2370, 2371..2553		

Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13
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Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o1.tm	Method	TBLASTX:Maize
Start	2299	End	2724
GI	none	Score	456
Exons	2299..2724, 2310..2723		
Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13
Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o2.tm	Method	TBLASTX:Maize
Start	2727	End	3332
GI	none	Score	98
Exons	2727..2795, 2728..2805, 2773..3330, 2823..2981, 3060..3332		
Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13
Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o1.ts	Method	TBLASTX:Soybean
Start	2950	End	3459
GI	none	Score	146
Exons	2950..3300, 3307..3330, 3361..3459		
Seq. No.	39939	Seq. ID	OJ000229_17.0405.C13
Gene No.	82613	Strand	+
Start	1	End	3481
Name	OJ000229_17.0405.C13.o1.tw	Method	TBLASTX:Wheat
Start	2971	End	3411
GI	none	Score	234
Exons	2971..3267, 2973..3263, 3253..3411, 3318..3407		
Seq. No.	39940	Seq. ID	OJ000229_17.0405.C14
Gene No.	82614	Strand	+
Start	1	End	712
Name	OJ000229_17.0405.C14.o1.np	Method	AAT/NAP
Start	1	End	712
GI	6069646	Score	312
Exons	1..712		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	39940	Seq. ID	OJ000229_17.0405.C14
Gene No.	82614	Strand	+
Start	1	End	712
Name	OJ000229_17.0405.C14.o1.gs	Method	GENSCAN
Start	67	End	657
GI	none	Score	.5
Exons	67..486, 567..657		
Seq. No.	39940	Seq. ID	OJ000229_17.0405.C14
Gene No.	82614	Strand	+
Start	1	End	712
Name	OJ000229_17.0405.C14.o1.tm	Method	TBLASTX:Maize
Start	224	End	505

GI none
Exons 224..505, 230..442

Score 299

Seq. No. 39940
Gene No. 82614
Start 1
Name OJ000229_17.0405.C14.o1.tw
Start 293
GI none
Exons 293..442, 500..694

Seq. ID OJ000229_17.0405.C14
Strand +
End 712
Method TBLASTX:Wheat
End 694
Score 101

Seq. No. 39940
Gene No. 82615
Start 3233
Name OJ000229_17.0405.C14.o2.tm
Start 3233
GI none
Exons 3233..3307, 3247..3306, 3300..

Seq. ID OJ000229_17.0405.C14
Strand +
End 3407
Method TBLASTX:Maize
End 3407
Score 108
3407, 3318..3362

Seq. No. 39941
Gene No. 82616
Start 10951
Name OJ000229_17.0405.C17.o1.gp
Start 10857
GI 189 1.R1084
Exons 10857..11004, 11232..11303, 11909..11960, 12081..12161,

Seq. ID OJ000229_17.0405.C17
Strand +
End 17892
Method AAT/GAP
End 14683
Score 2864

GI Descrip. '4666287/dbj|BAA77214.1| 0.0e+00 (D85764) cytosolic monodehydroascorbate reductase [Oryza sativa]'

Seq. No. 39941
Gene No. 82616
Start 10951
Name OJ000229_17.0405.C17.o2.np
Start 10951
GI 4666287
Exons 10951..11004, 11232..11303, 11909..11960, 12081..12161,

Seq. ID OJ000229_17.0405.C17
Strand +
End 17892
Method AAT/NAP
End 14536
Score 1950

GI Descrip. (D85764) cytosolic monodehydroascorbate reductase [Oryza sativa]

Seq. No. 39941
Gene No. 82616
Start 10951
Name OJ000229_17.0405.C17.o3.gs
Start 10951
GI none
Exons 10951..11004, 11232..11303, 11909..11960, 12081..12161,

Seq. ID OJ000229_17.0405.C17
Strand +
End 17892
Method GENSCAN
End 17859
Score .6

Seq. No. 39941
Gene No. 82616
Start 10951
Name OJ000229_17.0405.C17.o3.np

Seq. ID OJ000229_17.0405.C17
Strand +
End 17892
Method AAT/NAP

Start	15075	End	16886
GI	3860264	Score	537
Exons	15075..15219, 15342..15497, 15951..16035, 16129..16245, 16713..16886		
GI Descrip.	(AC005824) unknown protein [Arabidopsis thaliana]		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82616	Strand	+
Start	10951	End	17892
Name	OJ000229_17.0405.C17.o4.np	Method	AAT/NAP
Start	15075	End	17859
GI	3860264	Score	1226
Exons	15075..15219, 15342..15497, 15951..16035, 16129..16245, 16713..16777, 16899..16987, 17085..17164, 17240..17351, 17433..17552, 17677..17859		
GI Descrip.	(AC005824) unknown protein [Arabidopsis thaliana]		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82616	Strand	+
Start	10951	End	17892
Name	OJ000229_17.0405.C17.o2.gp	Method	AAT/GAP
Start	15175	End	16234
GI	uC-osflcyp064d10b1	Score	980
Exons	15175..15497, 15951..16035, 16129..16234		
GI Descrip.	'3860264 8.0e-47 (AC005824) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82616	Strand	+
Start	10951	End	17892
Name	OJ000229_17.0405.C17.o3.gp	Method	AAT/GAP
Start	17285	End	17892
GI	703054	Score	741
Exons	17285..17351, 17433..17552, 17677..17892		
GI Descrip.	3860264 8.0e-47 (AC005824) unknown protein [Arabidopsis thaliana]		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82617	Strand	-
Start	1223	End	3223
Name	OJ000229_17.0405.C17.o1.gs	Method	GENSCAN
Start	1223	End	3223
GI	none	Score	.5
Exons	1223..1335, 1525..1844, 3165..3223		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82618	Strand	-
Start	4626	End	6613
Name	OJ000229_17.0405.C17.o2.gs	Method	GENSCAN
Start	4626	End	6613
GI	none	Score	.66
Exons	4626..4859, 5217..5402, 5407..5458, 5610..5920, 6131..6613		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o1.tm	Method	TBLASTX:Maize

Start	10935	End	14542
GI	none	Score	94
Exons	10935..11012, 10938..11009, 10942..11028, 11223..11306, 11231..11305, 11908..11955, 11909..11956, 11910..11963, 12076..12168, 12080..12169, 12080..12181, 12341..12460, 12342..12464, 12342..12458, 12536..12775, 12555..12698, 12572..12775, 12706..12777, 12949..13071, 12951..13070, 13157..13249, 13159..13311, 13160..13285, 13520..13675, 13528..13680, 13529..13675, 13543..13680, 14213..14542, 14213..14491, 14214..14531, 14215..14541		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o2.tc	Method	TBLASTX:Cress
Start	10936	End	12673
GI	none	Score	69
Exons	10936..11028, 10959..11012, 11225..11305, 11232..11306, 11909..11959, 12082..12168, 12083..12169, 12326..12454, 12340..12456, 12341..12463, 12342..12464, 12524..12673, 12556..12672		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o2.ts	Method	TBLASTX:Soybean
Start	11206	End	14545
GI	none	Score	122
Exons	11206..11277, 11225..11305, 11232..11306, 11909..11962, 12085..12168, 12086..12169, 12341..12463, 12342..12464, 12557..12775, 12564..12638, 12572..12772, 12706..12777, 12949..13071, 12951..13070, 13085..13234, 13159..13308, 13160..13312, 13520..13675, 13528..13680, 13529..13675, 13534..13677, 14184..14348, 14199..14456, 14213..14545, 14213..14494, 14215..14538		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o2.tw	Method	TBLASTX:Wheat
Start	12568	End	13311
GI	none	Score	236
Exons	12568..12657, 12569..12775, 12572..12784, 12573..12785, 12723..12791, 12949..13071, 12951..13070, 13157..13249, 13159..13311, 13160..13285		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o1.tc	Method	TBLASTX:Cress
Start	12673	End	14558
GI	none	Score	46
Exons	12673..12729, 12706..12777, 12707..12775, 12949..13071, 12951..13070, 13160..13285, 13520..13675, 13529..13675, 13534..13680, 14213..14539, 14213..14485, 14215..14538, 14508..14558		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82619	Strand	
Start	10935	End	14558
Name	OJ000229_17.0405.C17.o1.tw	Method	TBLASTX:Wheat
Start	13552	End	14545
GI	none	Score	181
Exons	13552..13680, 13553..13675, 13564..13680, 13572..13700, 14213..14545, 14213..14494, 14214..14528, 14215..14535		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82620	Strand	
Start	14813	End	17862
Name	OJ000229_17.0405.C17.o1.ts	Method	TBLASTX:Soybean
Start	14813	End	17853
GI	none	Score	88
Exons	14813..14923, 14860..14922, 14929..15012, 14930..15013, 15329..15397, 15337..15492, 15338..15496, 15952..16035, 16121..16249, 16136..16246, 16687..16785, 16694..16798, 16708..16779, 16713..16784, 16894..16989, 16895..17011, 17082..17165, 17082..17171, 17084..17173, 17237..17347, 17241..17354, 17241..17354, 17411..17545, 17433..17552, 17433..17552, 17680..17853, 17682..17852		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82620	Strand	
Start	14813	End	17862
Name	OJ000229_17.0405.C17.o3.tm	Method	TBLASTX:Maize
Start	14836	End	16767
GI	none	Score	89
Exons	14836..14922, 14837..14923, 14929..15024, 14930..15013, 15329..15493, 15331..15495, 15950..16036, 15951..16037, 16112..16246, 16121..16249, 16134..16247, 16195..16251, 16693..16767, 16713..16766		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82620	Strand	
Start	14813	End	17862
Name	OJ000229_17.0405.C17.o3.tw	Method	TBLASTX:Wheat
Start	14858	End	15990
GI	none	Score	66
Exons	14858..14923, 14890..14922, 14929..15012, 14930..15013, 15351..15401, 15352..15402, 15358..15495, 15359..15496, 15952..15990, 15953..15988		

Seq. No.	39941	Seq. ID	OJ000229_17.0405.C17
Gene No.	82620	Strand	
Start	14813	End	17862
Name	OJ000229_17.0405.C17.o2.tm	Method	TBLASTX:Maize
Start	17453	End	17862
GI	none	Score	152
Exons	17453..17551, 17454..17561, 17454..17552, 17595..17648, 17666..17854, 17673..17861, 17676..17861, 17677..17862		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.o1.np	Method	AAT/NAP

Start	234	End	2434
GI	4510346	Score	667
Exons	234..400, 828..1013, 1118..1222, 1560..1643, 1757..2103, 2398..2434		
GI Descrip.	(AC006921) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.ol.ts	Method	TBLASTX:Soybean
Start	340	End	2303
GI	none	Score	73
Exons	340..423, 341..400, 809..886, 821..901, 822..899, 885..1013, 926..1024, 1109..1225, 1117..1218, 1130..1222, 1559..1645, 1560..1655, 1562..1657, 1738..1878, 1760..1879, 1970..2101, 1972..2103, 2195..2302, 2196..2303		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.ol.gs	Method	GENSCAN
Start	341	End	2318
GI	none	Score	.9
Exons	341..400, 828..1013, 1067..1150, 1560..1656, 1968..2103, 2207..2318		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.ol.tc	Method	TBLASTX:Cress
Start	849	End	1655
GI	none	Score	77
Exons	849..899, 851..901, 897..1025, 917..1012, 1109..1225, 1129..1218, 1560..1655, 1568..1636		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.ol.tm	Method	TBLASTX:Maize
Start	900	End	2308
GI	none	Score	142
Exons	900..1013, 902..1021, 903..1013, 1109..1225, 1117..1221, 1559..1654, 1560..1655, 1586..1657, 1766..1867, 1767..1853, 1768..1869, 1769..1870, 1970..2104, 1972..2157, 1999..2106, 2191..2298, 2192..2233, 2192..2308, 2205..2303		

Seq. No.	39942	Seq. ID	OJ000229_17.0405.C19
Gene No.	82621	Strand	+
Start	234	End	2514
Name	OJ000229_17.0405.C19.ol.gp	Method	AAT/GAP
Start	2220	End	2514
GI	3769002	Score	531
Exons	2220..2514		

Seq. No.	39943	Seq. ID	OJ000229_17.0405.C22
Gene No.	82622	Strand	-
Start	871	End	1832

Name	OJ000229_17.0405.C22.o1.gs	Method	GENSCAN
Start	871	End	1832
GI	none	Score	.64
Exons	871..1011, 1149..1237, 1760..1832		
Seq. No.	39944	Seq. ID	OJ000229_17.0405.C24
Gene No.	82623	Strand	-
Start	641	End	901
Name	OJ000229_17.0405.C24.o1.gs	Method	GENSCAN
Start	641	End	901
GI	none	Score	.63
Exons	641..901		
Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82624	Strand	+
Start	514	End	4271
Name	OJ000229_17.0405.C25.o1.gs	Method	GENSCAN
Start	514	End	4025
GI	none	Score	.78
Exons	514..610, 732..1007, 3167..3429, 3513..4025		
Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82624	Strand	+
Start	514	End	4271
Name	OJ000229_17.0405.C25.o1.gp	Method	AAT/GAP
Start	817	End	3547
GI	62655_1.R1084	Score	811
Exons	817..1007, 3167..3429, 3513..3547		
GI Descrip.	'4678342/emb CAB41152.1 6.0e-13 (AL049659) lipase-like protein [Arabidopsis thaliana]'		
Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82624	Strand	+
Start	514	End	4271
Name	OJ000229_17.0405.C25.o1.np	Method	AAT/NAP
Start	849	End	4025
GI	7340646	Score	421
Exons	849..1007, 3167..3429, 3516..4025		
GI Descrip.	(AL162506) putative protein [Arabidopsis thaliana]		
Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82624	Strand	+
Start	514	End	4271
Name	OJ000229_17.0405.C25.o2.np	Method	AAT/NAP
Start	2057	End	4025
GI	7340645	Score	190
Exons	2057..2074, 3167..3429, 3516..4025		
GI Descrip.	(AL162506) putative protein [Arabidopsis thaliana]		
Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82624	Strand	+
Start	514	End	4271
Name	OJ000229_17.0405.C25.o2.gp	Method	AAT/GAP
Start	3747	End	4271
GI	5667612	Score	998
Exons	3747..4271		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82625	Strand	+
Start	4434	End	4815
Name	OJ000229_17.0405.C25.o3.gp	Method	AAT/GAP
Start	4434	End	4815
GI	none	Score	740
Exons	4434..4815		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82626	Strand	-
Start	4767	End	6201
Name	OJ000229_17.0405.C25.o2.tm	Method	TBLASTX:Maize
Start	3654	End	3856
GI	none	Score	170
Exons	3654..3809, 3656..3817, 3800..3856, 3801..3854		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82626	Strand	-
Start	4767	End	6201
Name	OJ000229_17.0405.C25.o2.gs	Method	GENSCAN
Start	4767	End	5518
GI	none	Score	.96
Exons	4767..4976, 5082..5202, 5396..5518		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82626	Strand	-
Start	4767	End	6201
Name	OJ000229_17.0405.C25.o1.tm	Method	TBLASTX:Maize
Start	4842	End	6199
GI	none	Score	158
Exons	4842..4976, 4843..4977, 4854..4985, 5027..5203, 5077..5241, 5082..5204, 5135..5212, 5381..5521, 5395..5520, 5642..5878, 5643..5879, 5643..5879, 5644..5880, 5927..6199, 5982..6194, 6002..6196		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82626	Strand	-
Start	4767	End	6201
Name	OJ000229_17.0405.C25.o1.ts	Method	TBLASTX:Soybean
Start	4842	End	5478
GI	none	Score	68
Exons	4842..4976, 4842..4976, 4843..4977, 4885..4980, 5086..5124, 5110..5238, 5121..5204, 5135..5251, 5381..5473, 5395..5478		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82626	Strand	-
Start	4767	End	6201
Name	OJ000229_17.0405.C25.o3.np	Method	AAT/NAP
Start	4860	End	6201
GI	3023946	Score	127
Exons	4860..5018, 5151..5202, 5396..5496, 5590..5877, 6010..6201		
GI Descrip.	HIRA PROTEIN (TUP1 LIKE ENHANCER OF SPLIT PROTEIN 1) gi 2352031 (U94324) Tup1e1/HirA [Fugu rubripes] gi 2352036 (U94325) Tup1e1/HirA [Fugu rubripes]		

Seq. No.	39945	Seq. ID	OJ000229_17.0405.C25
Gene No.	82626	Strand	-

Start	4767	End	6201
Name	OJ000229_17.0405.C25.o4.gp	Method	AAT/GAP
Start	5416	End	5883
GI	3768300	Score	614
Exons	5416..5518, 5643..5883		
Seq. No.	39946	Seq. ID	OJ000229_17.0405.C26
Gene No.	82627	Strand	-
Start	1	End	1153
Name	OJ000229_17.0405.C26.o1.np	Method	AAT/NAP
Start	1	End	1153
GI	631489	Score	419
Exons	1..291, 380..509, 558..777, 902..1153		
GI Descrip.	TUP1 like enhancer - human gi 434983 emb CAA53044.1 (X75296) TUP1 like enhancer of SPLIT gene 1 [Homo sapiens]		
Seq. No.	39946	Seq. ID	OJ000229_17.0405.C26
Gene No.	82627	Strand	-
Start	1	End	1153
Name	OJ000229_17.0405.C26.o1.gs	Method	GENSCAN
Start	69	End	1153
GI	none	Score	.55
Exons	69..291, 380..777, 902..1153		
Seq. No.	39947	Seq. ID	OJ000229_17.0405.C27
Gene No.	82628	Strand	-
Start	1084	End	1534
Name	OJ000229_17.0405.C27.o1.gs	Method	GENSCAN
Start	1084	End	1407
GI	none	Score	.97
Exons	1084..1407		
Seq. No.	39947	Seq. ID	OJ000229_17.0405.C27
Gene No.	82628	Strand	-
Start	1084	End	1534
Name	OJ000229_17.0405.C27.o1.tc	Method	TBLASTX:Cress
Start	1084	End	1326
GI	none	Score	67
Exons	1084..1173, 1085..1165, 1213..1326		
Seq. No.	39947	Seq. ID	OJ000229_17.0405.C27
Gene No.	82628	Strand	-
Start	1084	End	1534
Name	OJ000229_17.0405.C27.o1.np	Method	AAT/NAP
Start	1087	End	1534
GI	1491615	Score	250
Exons	1087..1534		
GI Descrip.	(X99923) male sterility 2-like protein [Arabidopsis thaliana]		
Seq. No.	39947	Seq. ID	OJ000229_17.0405.C27
Gene No.	82628	Strand	-
Start	1084	End	1534
Name	OJ000229_17.0405.C27.o1.tm	Method	TBLASTX:Maize
Start	1091	End	1533
GI	none	Score	94
Exons	1091..1171, 1096..1218, 1207..1335, 1214..1309, 1393..1533, 1393..1533		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.ol.np	Method	AAT/NAP
Start	1	End	1528
GI	7487952	Score	430
Exons	1..412, 504..604, 691..922, 1456..1528		
GI Descrip.	male sterility protein 2 homolog T16L1.280 - Arabidopsis thaliana (fragment) gi 3549681 emb CAA20592.1 (AL031394) male sterility 2-like protein [Arabidopsis thaliana]		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.ol.tc	Method	TBLASTX:Cress
Start	31	End	821
GI	none	Score	76
Exons	31..120, 47..118, 159..251, 166..246, 267..413, 463..606, 506..622, 690..758, 756..821		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.ol.ts	Method	TBLASTX:Soybean
Start	31	End	263
GI	none	Score	87
Exons	31..120, 32..115, 153..263, 166..246		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.o2.tm	Method	TBLASTX:Maize
Start	31	End	386
GI	none	Score	114
Exons	31..120, 32..118, 147..296, 160..252, 192..257, 282..386		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.ol.gs	Method	GENSCAN
Start	108	End	908
GI	none	Score	.8
Exons	108..412, 504..658, 691..908		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.ol.gp	Method	AAT/GAP
Start	194	End	855
GI	uC-osroM202025e08b1	Score	893
Exons	194..412, 504..604, 691..855		
GI Descrip.	'5020215/gb AAD38039.1 AF149917_1 6.0e-32 (AF149917) acyl CoA reductase [Simmondsia chinensis] >gi_5020217_gb_AAD38040.1 AF149918_1 (AF149918) acyl CoA reductase [synthetic construct]'		

Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.o1.tm	Method	TBLASTX:Maize
Start	458	End	893
GI	none	Score	101
Exons	458..610, 463..606, 667..891, 688..891, 690..893		
Seq. No.	39948	Seq. ID	OJ000229_17.0405.C28
Gene No.	82629	Strand	-
Start	1	End	1528
Name	OJ000229_17.0405.C28.o2.ts	Method	TBLASTX:Soybean
Start	505	End	893
GI	none	Score	70
Exons	505..606, 506..610, 690..755, 691..729, 693..893		
Seq. No.	39949	Seq. ID	OJ000229_17.0405.C31
Gene No.	82630	Strand	-
Start	1	End	574
Name	OJ000229_17.0405.C31.o1.gp	Method	AAT/GAP
Start	1	End	574
GI	8172_1.R1084	Score	535
Exons	1..53, 202..335, 449..574		
GI Descrip.	'5689238/dbj BAA82874.1 8.0e-53 (AB024292) histidine-containing phosphotransfer protein [Zea mays]'		
Seq. No.	39949	Seq. ID	OJ000229_17.0405.C31
Gene No.	82630	Strand	-
Start	1	End	574
Name	OJ000229_17.0405.C31.o1.np	Method	AAT/NAP
Start	1	End	508
GI	5689238	Score	298
Exons	1..53, 202..335, 449..508		
GI Descrip.	(AB024292) histidine-containing phosphotransfer protein [Zea mays]		
Seq. No.	39949	Seq. ID	OJ000229_17.0405.C31
Gene No.	82630	Strand	-
Start	1	End	574
Name	OJ000229_17.0405.C31.o1.tm	Method	TBLASTX:Maize
Start	2	End	518
GI	none	Score	57
Exons	2..52, 2..52, 193..336, 210..335, 452..517, 456..518		
Seq. No.	39949	Seq. ID	OJ000229_17.0405.C31
Gene No.	82630	Strand	-
Start	1	End	574
Name	OJ000229_17.0405.C31.o1.gs	Method	GENSCAN
Start	26	End	508
GI	none	Score	.72
Exons	26..53, 202..335, 449..508		
Seq. No.	39950	Seq. ID	OJ000229_17.0405.C33
Gene No.	82631	Strand	-
Start	1	End	713
Name	OJ000229_17.0405.C33.o1.np	Method	AAT/NAP
Start	1	End	713

GI 7529718 Score 199
 Exons 1..71, 421..542, 647..713
 GI Descrip. (AL132969) nuclear envelope membrane protein-like [Arabidopsis thaliana]

Seq. No. 39950 Seq. ID OJ000229_17.0405.C33
 Gene No. 82631 Strand -
 Start 1 End 713
 Name OJ000229_17.0405.C33.o1.gs Method GENSCAN
 Start 208 End 289
 GI none Score .52
 Exons 208..289

Seq. No. 39950 Seq. ID OJ000229_17.0405.C33
 Gene No. 82631 Strand -
 Start 1 End 713
 Name OJ000229_17.0405.C33.o1.tm Method TBLASTX:Maize
 Start 422 End 712
 GI none Score 157
 Exons 422..541, 423..542, 424..543, 643..711, 647..712

Seq. No. 39950 Seq. ID OJ000229_17.0405.C33
 Gene No. 82631 Strand -
 Start 1 End 713
 Name OJ000229_17.0405.C33.o1.ts Method TBLASTX:Soybean
 Start 423 End 712
 GI none Score 137
 Exons 423..533, 425..541, 426..536, 643..711, 644..712

Seq. No. 39951 Seq. ID OJ000229_17.0405.C39
 Gene No. 82632 Strand +
 Start 539 End 1466
 Name OJ000229_17.0405.C39.o1.gs Method GENSCAN
 Start 539 End 1466
 GI none Score .5
 Exons 539..708, 1021..1096, 1241..1466

Seq. No. 39952 Seq. ID OJ000229_17.0405.C41
 Gene No. 82633 Strand -
 Start 1416 End 1716
 Name OJ000229_17.0405.C41.o1.gs Method GENSCAN
 Start 1416 End 1694
 GI none Score .96
 Exons 1416..1694

Seq. No. 39952 Seq. ID OJ000229_17.0405.C41
 Gene No. 82633 Strand -
 Start 1416 End 1716
 Name OJ000229_17.0405.C41.o1.np Method AAT/NAP
 Start 1422 End 1716
 GI 4927412 Score 320
 Exons 1422..1716
 GI Descrip. (AF082525) homoserine kinase [Arabidopsis thaliana]

Seq. No. 39952 Seq. ID OJ000229_17.0405.C41
 Gene No. 82633 Strand -
 Start 1416 End 1716

Name	OJ000229_17.0405.C41.o1.tc	Method	TBLASTX:Cress
Start	1431	End	1715
GI	none	Score	177
Exons	1431..1715, 1441..1704		
Seq. No.	39953	Seq. ID	OJ000229_17.0405.C53
Gene No.	82634	Strand	+
Start	314	End	1251
Name	OJ000229_17.0405.C53.o1.tm	Method	TBLASTX:Maize
Start	270	End	696
GI	none	Score	130
Exons	270..446, 272..310, 297..425, 426..488, 427..555, 428..562, 432..563, 565..597, 587..694, 605..694, 607..696		
Seq. No.	39953	Seq. ID	OJ000229_17.0405.C53
Gene No.	82634	Strand	+
Start	314	End	1251
Name	OJ000229_17.0405.C53.o1.gp	Method	AAT/GAP
Start	314	End	1251
GI	5003507	Score	1298
Exons	314..688, 944..1251		
Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82635	Strand	+
Start	1	End	1856
Name	OJ000229_17.0405.C54.o1.np	Method	AAT/NAP
Start	1	End	1271
GI	4115937	Score	221
Exons	1..74, 234..390, 454..531, 721..1271		
GI Descrip.	(AF118223) contains similarity to human PCF1lp homolog (GB:AF046935) [Arabidopsis thaliana]		
Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82635	Strand	+
Start	1	End	1856
Name	OJ000229_17.0405.C54.o1.gp	Method	AAT/GAP
Start	409	End	962
GI	uC-osflM202068h09b1	Score	1044
Exons	409..962		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82635	Strand	+
Start	1	End	1856
Name	OJ000229_17.0405.C54.o2.gp	Method	AAT/GAP
Start	1144	End	1856
GI	5003506	Score	1392
Exons	1144..1856		
Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82636	Strand	-
Start	1862	End	2159
Name	OJ000229_17.0405.C54.o1.tm	Method	TBLASTX:Maize
Start	696	End	975
GI	none	Score	50
Exons	696..974, 704..793, 705..797, 774..845, 843..971, 844..975		

Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82636	Strand	-
Start	1862	End	2159
Name	OJ000229_17.0405.C54.o1.tc	Method	TBLASTX:Cress
Start	735	End	1137
GI	none	Score	104
Exons	735..896, 918..1136, 1038..1136, 1039..1137		

Seq. No.	39954	Seq. ID	OJ000229_17.0405.C54
Gene No.	82636	Strand	-
Start	1862	End	2159
Name	OJ000229_17.0405.C54.o2.gs	Method	GENSCAN
Start	1862	End	2159
GI	none	Score	.97
Exons	1862..1982, 2053..2159		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.tm	Method	TBLASTX:Maize
Start	667	End	1222
GI	none	Score	574
Exons	667..1221, 728..1222		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.gs	Method	GENSCAN
Start	694	End	1155
GI	none	Score	.51
Exons	694..1155		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.np	Method	AAT/NAP
Start	718	End	1222
GI	6579207	Score	689
Exons	718..1222		
GI Descrip.	(AC011438) T23G18.10 [Arabidopsis thaliana]		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.ts	Method	TBLASTX:Soybean
Start	724	End	1221
GI	none	Score	345
Exons	724..1014, 725..1012, 889..1020, 997..1158, 1013..1108, 1015..1221, 1016..1168		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.tc	Method	TBLASTX:Cress
Start	727	End	1221
GI	none	Score	78

Exons 727..1026, 742..840, 746..1027, 1024..1221, 1025..1168

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o1.tw	Method	TBLASTX:Wheat
Start	746	End	1104
GI	none	Score	168
Exons	746..916, 748..882, 749..883, 883..927, 884..925, 902..1096, 928..1104, 940..1104		

Seq. No.	39955	Seq. ID	OJ000229_17.0405.C55
Gene No.	82637	Strand	-
Start	694	End	1222
Name	OJ000229_17.0405.C55.o2.tw	Method	TBLASTX:Wheat
Start	1105	End	1222
GI	none	Score	72
Exons	1105..1158, 1105..1221, 1106..1222		

Seq. No.	39956	Seq. ID	OJ000229_17.0405.C56
Gene No.	82638	Strand	+
Start	66	End	898
Name	OJ000229_17.0405.C56.o1.gs	Method	GENSCAN
Start	66	End	898
GI	none	Score	.48
Exons	66..204, 762..898		

Seq. No.	39956	Seq. ID	OJ000229_17.0405.C56
Gene No.	82639	Strand	-
Start	1157	End	1926
Name	OJ000229_17.0405.C56.o2.gs	Method	GENSCAN
Start	1157	End	1926
GI	none	Score	.9
Exons	1157..1221, 1657..1709, 1883..1926		

Seq. No.	39957	Seq. ID	OJ000229_17.0405.C57
Gene No.	82640	Strand	+
Start	1	End	2102
Name	OJ000229_17.0405.C57.o1.np	Method	AAT/NAP
Start	1	End	2102
GI	7529276	Score	229
Exons	1..413, 2062..2102		
GI Descrip.	(AL163491) putative protein [Arabidopsis thaliana]		

Seq. No.	39957	Seq. ID	OJ000229_17.0405.C57
Gene No.	82641	Strand	+
Start	3206	End	3632
Name	OJ000229_17.0405.C57.o2.np	Method	AAT/NAP
Start	3206	End	3632
GI	5922623	Score	78
Exons	3206..3313, 3599..3632		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	39957	Seq. ID	OJ000229_17.0405.C57
Gene No.	82642	Strand	-

Start	3360	End	3632
Name	OJ000229_17.0405.C57.o1.tc	Method	TBLASTX:Cress
Start	92	End	357
GI	none	Score	130
Exons	92..241, 98..241, 232..357, 243..344		
Seq. No.	39957	Seq. ID	OJ000229_17.0405.C57
Gene No.	82642	Strand	-
Start	3360	End	3632
Name	OJ000229_17.0405.C57.o3.np	Method	AAT/NAP
Start	3360	End	3632
GI	5042454	Score	76
Exons	3360..3413, 3588..3632		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	39958	Seq. ID	OJ000229_17.0405.C58
Gene No.	82643	Strand	-
Start	156	End	2902
Name	OJ000229_17.0405.C58.o1.gs	Method	GENSCAN
Start	156	End	2902
GI	none	Score	.66
Exons	156..185, 2786..2902		
Seq. No.	39958	Seq. ID	OJ000229_17.0405.C58
Gene No.	82644	Strand	-
Start	2941	End	3011
Name	OJ000229_17.0405.C58.o1.gp	Method	AAT/GAP
Start	2941	End	3011
GI	38012_1.R1084	Score	82
Exons	2941..3011		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		
Seq. No.	39959	Seq. ID	OJ000229_07.0412.C1
Gene No.	82645	Strand	+
Start	98	End	223
Name	OJ000229_07.0412.C1.o1.gs	Method	GENSCAN
Start	98	End	223
GI	none	Score	.83
Exons	98..223		
Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82646	Strand	+
Start	73	End	232
Name	OJ000229_07.0412.C3.o1.gs	Method	GENSCAN
Start	73	End	232
GI	none	Score	.76
Exons	73..232		
Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82647	Strand	+
Start	5964	End	9013
Name	OJ000229_07.0412.C3.o1.np	Method	AAT/NAP
Start	5964	End	9013
GI	7434305	Score	789
Exons	5964..6078, 6588..6823, 7635..7880, 8395..8523, 8622..9013		
GI Descrip.	probable protein kinase - Arabidopsis thaliana		

gi|2245124|emb|CAB10546.1| (Z97343) NAK like protein kinase
 [Arabidopsis thaliana] gi|7268518|emb|CAB78769.1| (AL161546) NAK
 like protein kinase [Arabidopsis thaliana]

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82648	Strand	-
Start	816	End	3699
Name	OJ000229_07.0412.C3.o2.tm	Method	TBLASTX:Maize
Start	8	End	684
GI	none	Score	173
Exons	8..154, 11..166, 162..242, 163..243, 520..633, 520..633, 533..634, 640..684		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82648	Strand	-
Start	816	End	3699
Name	OJ000229_07.0412.C3.o2.gs	Method	GENSCAN
Start	816	End	3699
GI	none	Score	.65
Exons	816..863, 2018..2224, 2602..2721, 2771..2994, 3066..3208, 3677..3699		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	-
Start	6560	End	8933
Name	OJ000229_07.0412.C3.o2.tc	Method	TBLASTX:Cress
Start	6560	End	7799
GI	none	Score	115
Exons	6560..6739, 7632..7799, 7634..7756		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	-
Start	6560	End	8933
Name	OJ000229_07.0412.C3.o2.ts	Method	TBLASTX:Soybean
Start	6650	End	7889
GI	none	Score	143
Exons	6650..6823, 7626..7886, 7632..7889		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	-
Start	6560	End	8933
Name	OJ000229_07.0412.C3.o1.tm	Method	TBLASTX:Maize
Start	7628	End	8933
GI	none	Score	131
Exons	7628..7723, 7632..7730, 7737..7796, 7743..7811, 7812..7880, 8400..8528, 8401..8526, 8619..8933, 8630..8848		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	-
Start	6560	End	8933
Name	OJ000229_07.0412.C3.o1.tw	Method	TBLASTX:Wheat
Start	7815	End	8792
GI	none	Score	73
Exons	7815..7877, 8401..8526, 8409..8528, 8619..8792, 8636..8791		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	-

Start	6560	End	8933
Name	OJ000229_07.0412.C3.o1.tc	Method	TBLASTX:Cress
Start	7818	End	8933
GI	none	Score	71
Exons	7818..7889, 8395..8526, 8412..8525, 8622..8933, 8630..8788		

Seq. No.	39960	Seq. ID	OJ000229_07.0412.C3
Gene No.	82649	Strand	
Start	6560	End	8933
Name	OJ000229_07.0412.C3.o1.ts	Method	TBLASTX:Soybean
Start	8410	End	8933
GI	none	Score	163
Exons	8410..8526, 8412..8525, 8622..8933, 8630..8839		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82650	Strand	+
Start	2511	End	3029
Name	OJ000229_07.0412.C5.o2.gs	Method	GENSCAN
Start	2511	End	3029
GI	none	Score	1
Exons	2511..3029		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82651	Strand	+
Start	3057	End	4222
Name	OJ000229_07.0412.C5.o3.gp	Method	AAT/GAP
Start	3057	End	4222
GI	1204_1.R1084	Score	167
Exons	3057..3152, 4189..4222		
GI Descrip.	'461595/sp P31853 ATPX_SPIOL 4.0e-35 ATP SYNTHASE B'' CHAIN PRECURSOR (SUBUNIT II) >gi_479533_pir_S34473 H+-transporting ATP synthase (EC 3.6.1.34) chain 9 - spinach >gi_394755_emb_CAA50520_(X71397) CF(o)II ATP synthase subunit 9 [Spinacia oleracea]'		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82652	Strand	+
Start	4783	End	5545
Name	OJ000229_07.0412.C5.o2.np	Method	AAT/NAP
Start	4777	End	5454
GI	7438429	Score	688
Exons	4777..5454		
GI Descrip.	GTP-binding protein - garden pea (fragment) gi 303736 dbj BAA02109.1 (D12541) GTP-binding protein [Pisum sativum] gi 738934 prf 2001457B GTP-binding protein [Pisum sativum]		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82652	Strand	+
Start	4783	End	5545
Name	OJ000229_07.0412.C5.o3.gs	Method	GENSCAN
Start	4783	End	5545
GI	none	Score	.73
Exons	4783..5436, 5474..5545		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82652	Strand	+

Start	4783	End	5545
Name	OJ000229_07.0412.C5.o4.gp	Method	AAT/GAP
Start	5070	End	5474
GI	LIB3434-038-P1-K1-D6	Score	742
Exons	5070..5474		
GI Descrip.	'5926718/dbj BAA84640.1 4.0e-20 (AB007911) PRA2 [Pisum sativum]'		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82653	Strand	+
Start	14715	End	15920
Name	OJ000229_07.0412.C5.o4.np	Method	AAT/NAP
Start	14715	End	15920
GI	2126090	Score	2114
Exons	14715..15920		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi 455676 bbs 140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant; 402 aa] [Escherichia coli] gi 6634720 gb AAF19728.1 AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82654	Strand	-
Start	135	End	580
Name	OJ000229_07.0412.C5.o1.gp	Method	AAT/GAP
Start	135	End	580
GI	none	Score	892
Exons	135..580		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82655	Strand	-
Start	553	End	1258
Name	OJ000229_07.0412.C5.o1.np	Method	AAT/NAP
Start	550	End	1032
GI	6983866	Score	215
Exons	550..769, 878..1032		
GI Descrip.	(AP001168) ESTs C26056(C11550),AU082131(C11550) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana DNA chromosome 4, ESSA I FCA contig fragment No. 8; hypothetical protein (Z97343) [Oryza sativa]		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82655	Strand	-
Start	553	End	1258
Name	OJ000229_07.0412.C5.o1.gs	Method	GENSCAN
Start	553	End	1071
GI	none	Score	.88
Exons	553..769, 878..1071		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82655	Strand	-
Start	553	End	1258
Name	OJ000229_07.0412.C5.o2.gp	Method	AAT/GAP
Start	961	End	1258
GI	4969273	Score	587
Exons	961..1258		

Seq. No. 39961
Gene No. 82656
Start 5939
Name OJ000229_07.0412.C5.o1.tc
Start 4786
GI none
Exons 4786..5313, 4818..5054

Seq. ID OJ000229_07.0412.C5
Strand -
End 9841
Method TBLASTX:Cress
End 5313
Score 557

Seq. No. 39961
Gene No. 82656
Start 5939
Name OJ000229_07.0412.C5.o2.tm
Start 4786
GI none
Exons 4786..5313, 4818..5054, 5118..5285

Seq. ID OJ000229_07.0412.C5
Strand -
End 9841
Method TBLASTX:Maize
End 5313
Score 549

Seq. No. 39961
Gene No. 82656
Start 5939
Name OJ000229_07.0412.C5.o1.tw
Start 4789
GI none
Exons 4789..5058, 4818..5057

Seq. ID OJ000229_07.0412.C5
Strand -
End 9841
Method TBLASTX:Wheat
End 5058
Score 410

Seq. No. 39961
Gene No. 82656
Start 5939
Name OJ000229_07.0412.C5.o2.ts
Start 4795
GI none
Exons 4795..5313, 4818..5297

Seq. ID OJ000229_07.0412.C5
Strand -
End 9841
Method TBLASTX:Soybean
End 5313
Score 556

Seq. No. 39961
Gene No. 82656
Start 5939
Name OJ000229_07.0412.C5.o4.tw
Start 5062
GI none
Exons 5062..5313

Seq. ID OJ000229_07.0412.C5
Strand -
End 9841
Method TBLASTX:Wheat
End 5313
Score 193

Seq. No. 39961
Gene No. 82656
Start 5939
Name OJ000229_07.0412.C5.o5.gp
Start 5864
GI 14207_2.R1084
Exons 5864..6284, 6607..6688

Seq. ID OJ000229_07.0412.C5
Strand -
End 9841
Method AAT/GAP
End 6688
Score 982

GI Descrip. '4469019/emb|CAB38280| 3.0e-14 (AL035602) putative protein [Arabidopsis thaliana]'

Seq. No. 39961
Gene No. 82656
Start 5939
Name OJ000229_07.0412.C5.o4.gs
Start 5939
GI none

Seq. ID OJ000229_07.0412.C5
Strand -
End 9841
Method GENSCAN
End 9841
Score .95

Exons 5939..6100, 6147..6284, 6607..6902, 8239..8397, 8488..8788,
8877..9104, 9809..9841

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o3.tm	Method	TBLASTX:Maize
Start	5968	End	6748
GI	none	Score	73
Exons	5968..6021, 5968..6021, 5969..6025, 6025..6201, 6026..6193, 6071..6214, 6099..6224, 6100..6198, 6210..6290, 6214..6282, 6606..6710, 6607..6747, 6608..6748		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o3.np	Method	AAT/NAP
Start	6039	End	9074
GI	7487509	Score	1318
Exons	6039..6284, 6607..6902, 8239..8397, 8488..8788, 8877..9074		
GI Descrip.	hypothetical protein T29A15.170 - Arabidopsis thaliana gi 4469019 emb CAB38280.1 (AL035602) putative protein [Arabidopsis thaliana] gi 7269622 emb CAB81418.1 (AL161571) putative protein [Arabidopsis thaliana]		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o1.ts	Method	TBLASTX:Soybean
Start	6210	End	9074
GI	none	Score	113
Exons	6210..6281, 6610..6903, 6620..6763, 6628..6900, 6830..6901, 8074..8121, 8234..8392, 8237..8398, 8241..8402, 8489..8527, 8489..8788, 8490..8789, 8875..8988, 8877..9074		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o4.tc	Method	TBLASTX:Cress
Start	6610	End	6904
GI	none	Score	63
Exons	6610..6903, 6818..6904		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o3.tw	Method	TBLASTX:Wheat
Start	6622	End	8305
GI	none	Score	73
Exons	6622..6903, 8234..8305		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o6.gp	Method	AAT/GAP
Start	6693	End	8412
GI	LIB3433-055-P1-K1-A11	Score	704

Exons 6693..6902, 8239..8412
 GI Descrip. '4469019/emb|CAB38280| 3.0e-52 (AL035602) putative protein
 [Arabidopsis thaliana]'

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o1.tm	Method	TBLASTX:Maize
Start	6750	End	9069
GI	none	Score	141
Exons	6750..6836, 6751..6900, 6751..6903, 8234..8398, 8237..8398, 8241..8408, 8489..8788, 8490..8789, 8696..8791, 8875..9069, 8877..9068		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o2.tc	Method	TBLASTX:Cress
Start	8234	End	8773
GI	none	Score	131
Exons	8234..8305, 8315..8398, 8492..8773, 8493..8651		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o2.tw	Method	TBLASTX:Wheat
Start	8492	End	8782
GI	none	Score	140
Exons	8492..8782, 8493..8774		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o7.gp	Method	AAT/GAP
Start	8517	End	8937
GI	LIB3434-031-P1-K1-H7	Score	601
Exons	8517..8788, 8877..8937		
GI Descrip.	'4469019/emb CAB38280 6.0e-49 (AL035602) putative protein [Arabidopsis thaliana]'		

Seq. No.	39961	Seq. ID	OJ000229_07.0412.C5
Gene No.	82656	Strand	-
Start	5939	End	9841
Name	OJ000229_07.0412.C5.o3.tc	Method	TBLASTX:Cress
Start	8875	End	9074
GI	none	Score	124
Exons	8875..8988, 8877..9074		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o1.np	Method	AAT/NAP
Start	1	End	2360
GI	2583130	Score	1331
Exons	1..2360		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o2.np	Method	AAT/NAP
Start	1	End	2360
GI	4582447	Score	1340
Exons	1..2360		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o1.gs	Method	GENSCAN
Start	105	End	2250
GI	none	Score	.4
Exons	105..706, 903..931, 1029..1295, 1677..1982, 1995..2250		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o2.tm	Method	TBLASTX:Maize
Start	489	End	1126
GI	none	Score	97
Exons	489..653, 677..952, 679..816, 847..903, 980..1126		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o1.tw	Method	TBLASTX:Wheat
Start	534	End	913
GI	none	Score	144
Exons	534..650, 536..625, 546..632, 641..751, 644..754, 718..837, 732..896, 739..912, 746..913		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o2.ts	Method	TBLASTX:Soybean
Start	677	End	964
GI	none	Score	192
Exons	677..964		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o2.tw	Method	TBLASTX:Wheat
Start	1084	End	1501
GI	none	Score	366
Exons	1084..1467, 1085..1468, 1451..1501		

Seq. No.	39962	Seq. ID	OJ000229_07.0412.C7
Gene No.	82657	Strand	+
Start	1	End	2360
Name	OJ000229_07.0412.C7.o1.ts	Method	TBLASTX:Soybean
Start	1205	End	1624

GI none
Exons 1205...1405, 1409...1624

Score 127

Seq. No. 39962
Gene No. 82657
Start 1
Name OJ000229_07.0412.C7.o1.tm
Start 1280
GI none
Exons 1280...1630, 1315...1629

Seq. ID OJ000229_07.0412.C7
Strand +
End 2360
Method TBLASTX:Maize
End 1630
Score 302

Seq. No. 39962
Gene No. 82657
Start 1
Name OJ000229_07.0412.C7.o4.tw
Start 1507
GI none
Exons 1507...1689, 1508...1690

Seq. ID OJ000229_07.0412.C7
Strand +
End 2360
Method TBLASTX:Wheat
End 1690
Score 203

Seq. No. 39962
Gene No. 82657
Start 1
Name OJ000229_07.0412.C7.o3.tw
Start 2042
GI none
Exons 2042...2344, 2071...2241

Seq. ID OJ000229_07.0412.C7
Strand +
End 2360
Method TBLASTX:Wheat
End 2344
Score 206

Seq. No. 39963
Gene No. 82658
Start 1
Name OJ000229_07.0412.C12.o1.np
Start 1
GI 4582447
Exons 1...794

Seq. ID OJ000229_07.0412.C12
Strand -
End 794
Method AAT/NAP
End 794
Score 493

GI Descrip. (AC007071) putative non-LTR retroelement reverse transcriptase
[Arabidopsis thaliana]

Seq. No. 39963
Gene No. 82658
Start 1
Name OJ000229_07.0412.C12.o1.tw
Start 1
GI none
Exons 1...156, 3...230

Seq. ID OJ000229_07.0412.C12
Strand -
End 794
Method TBLASTX:Wheat
End 230
Score 127

Seq. No. 39963
Gene No. 82658
Start 1
Name OJ000229_07.0412.C12.o2.ts
Start 15
GI none
Exons 15...254

Seq. ID OJ000229_07.0412.C12
Strand -
End 794
Method TBLASTX:Soybean
End 254
Score 180

Seq. No. 39963
Gene No. 82658
Start 1
Name OJ000229_07.0412.C12.o1.ts

Seq. ID OJ000229_07.0412.C12
Strand -
End 794
Method TBLASTX:Soybean

Start	315	End	698
GI	none	Score	64
Exons	315..614, 316..393, 597..698		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82659	Strand	+
Start	8347	End	10473
Name	OJ000229_07.0412.C13.o3.np	Method	AAT/NAP
Start	8341	End	10473
GI	7484856	Score	816
Exons	8341..8460, 8494..8542, 8623..8906, 8988..9429, 9558..9656, 9772..9970, 10117..10473		
GI Descrip.	cellulase (EC 3.2.1.4) T21L14.7 - Arabidopsis thaliana gi 2702268 gb AAB91971.1 (AC003033) putative glucanase [Arabidopsis thaliana]		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82659	Strand	+
Start	8347	End	10473
Name	OJ000229_07.0412.C13.o3.gs	Method	GENSCAN
Start	8347	End	10446
GI	none	Score	.93
Exons	8347..8542, 8623..8906, 8988..9422, 9538..9682, 9804..9970, 10117..10446		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82660	Strand	-
Start	150	End	3623
Name	OJ000229_07.0412.C13.o1.gp	Method	AAT/GAP
Start	150	End	3623
GI	18666_1.R1084	Score	2190
Exons	150..539, 629..700, 787..990, 1092..1169, 1524..1612, 2285..2335, 2621..2782, 3473..3623		
GI Descrip.	'4803927/gb AAD29800.1 AC006264_8 6.0e-73 (AC006264) signal sequence receptor, alpha subunit (SSR-alpha) [Arabidopsis thaliana]'		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82660	Strand	-
Start	150	End	3623
Name	OJ000229_07.0412.C13.o1.np	Method	AAT/NAP
Start	489	End	3518
GI	1174448	Score	518
Exons	489..539, 629..700, 787..990, 1092..1169, 1524..1612, 2285..2335, 2621..2782, 3473..3518		
GI Descrip.	TRANSLOCON-ASSOCIATED PROTEIN, ALPHA SUBUNIT PRECURSOR (TRAP-ALPHA) (SIGNAL SEQUENCE RECEPTOR ALPHA SUBUNIT) (SSR-ALPHA) gi 547391 gb AAA21820.1 (L32016) alpha-subunit; putative [Arabidopsis thaliana]		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82660	Strand	-
Start	150	End	3623
Name	OJ000229_07.0412.C13.o1.gs	Method	GENSCAN
Start	629	End	3545
GI	none	Score	.98
Exons	629..700, 787..990, 1092..1169, 1524..1612, 2285..2335,		

2621..2782, 3473..3545

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82661	Strand	-
Start	4033	End	7054
Name	OJ000229_07.0412.C13.o2.gp	Method	AAT/GAP
Start	4033	End	6460
GI	21438_1.R1084	Score	1505
Exons	4033..4366, 4488..4722, 6192..6460		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82661	Strand	-
Start	4033	End	7054
Name	OJ000229_07.0412.C13.o2.gs	Method	GENSCAN
Start	4551	End	7039
GI	none	Score	.91
Exons	4551..4722, 6192..7039		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82661	Strand	-
Start	4033	End	7054
Name	OJ000229_07.0412.C13.o2.np	Method	AAT/NAP
Start	4551	End	7054
GI	4406819	Score	731
Exons	4551..4722, 6192..7054		
GI Descrip.	(AC006201) unknown protein [Arabidopsis thaliana]		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82661	Strand	-
Start	4033	End	7054
Name	OJ000229_07.0412.C13.o3.gp	Method	AAT/GAP
Start	6699	End	6994
GI	uC-osflcyp006b06b1	Score	561
Exons	6699..6994		
GI Descrip.	'4406819/gb AAD20127 8.0e-13 (AC006201) unknown protein [Arabidopsis thaliana]'		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o3.tm	Method	TBLASTX:Maize
Start	405	End	2784
GI	none	Score	103
Exons	405..473, 408..506, 409..546, 500..541, 607..705, 629..700, 630..710, 787..996, 788..997, 811..1032, 1092..1181, 1093..1170, 1493..1558, 1524..1613, 1524..1613, 1525..1614, 1588..1614, 2277..2336, 2283..2387, 2622..2783, 2622..2783, 2623..2784		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o3.ts	Method	TBLASTX:Soybean
Start	493	End	2783
GI	none	Score	43
Exons	493..519, 493..519, 629..700, 633..701, 787..996, 791..997,		

1092..1181, 1093..1182, 1503..1613, 1524..1634, 2277..2336,
2622..2783, 2623..2721, 2628..2729

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o2.tc	Method	TBLASTX:Cress
Start	629	End	1580
GI	none	Score	64
Exons	629..700, 630..701, 787..996, 812..997, 857..1000, 1092..1196, 1093..1161, 1527..1580		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o4.tc	Method	TBLASTX:Cress
Start	4554	End	6442
GI	none	Score	124
Exons	4554..4733, 6191..6430, 6191..6442, 6213..6437		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o2.ts	Method	TBLASTX:Soybean
Start	6184	End	6613
GI	none	Score	65
Exons	6184..6456, 6191..6613, 6213..6578, 6245..6595		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o1.tm	Method	TBLASTX:Maize
Start	6191	End	6798
GI	none	Score	48
Exons	6191..6253, 6213..6242, 6224..6673, 6225..6599, 6242..6637, 6669..6797, 6680..6796, 6685..6798		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o5.ts	Method	TBLASTX:Soybean
Start	6651	End	6976
GI	none	Score	178
Exons	6651..6872, 6665..6976		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o1.ts	Method	TBLASTX:Soybean
Start	8365	End	9173
GI	none	Score	55
Exons	8365..8439, 8478..8561, 8479..8553, 8607..8909, 8607..8789, 8624..8908, 8982..9173, 8987..9160		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654

Name	OJ000229_07.0412.C13.o2.tm	Method	TBLASTX:Maize
Start	8365	End	9086
GI	none	Score	59
Exons	8365..8421, 8478..8540, 8479..8553, 8605..8715, 8607..8909, 8607..8741, 8621..8908, 8982..9086, 8984..9082		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o1.tc	Method	TBLASTX:Cress
Start	8646	End	9167
GI	none	Score	62
Exons	8646..8702, 8699..8908, 8700..8909, 8982..9167, 8984..9160		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o4.ts	Method	TBLASTX:Soybean
Start	9177	End	10439
GI	none	Score	216
Exons	9177..9356, 9182..9349, 9357..9425, 9374..9424, 9535..9666, 9612..9677, 9796..9966, 9806..9970, 10093..10239, 10116..10238, 10239..10439, 10240..10377		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o4.tm	Method	TBLASTX:Maize
Start	9216	End	10466
GI	none	Score	168
Exons	9216..9356, 9236..9355, 9357..9425, 9365..9424, 9535..9684, 9537..9683, 9796..9966, 9803..9970, 9827..9988, 10089..10466, 10093..10377		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o3.tc	Method	TBLASTX:Cress
Start	9330	End	10439
GI	none	Score	81
Exons	9330..9425, 9508..9564, 9610..9666, 9612..9677, 9796..9984, 9803..9970, 10114..10239, 10116..10235, 10239..10439, 10240..10377		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o1.tw	Method	TBLASTX:Wheat
Start	9812	End	10368
GI	none	Score	104
Exons	9812..9985, 9833..9973, 10114..10224, 10131..10217, 10242..10367, 10243..10368		

Seq. No.	39964	Seq. ID	OJ000229_07.0412.C13
Gene No.	82662	Strand	-
Start	11337	End	11654
Name	OJ000229_07.0412.C13.o5.tm	Method	TBLASTX:Maize

Start 11325
 GI none
 Exons 11325..11543, 11347..11541

End 11543
 Score 204

Seq. No. 39964
 Gene No. 82662
 Start 11337
 Name OJ000229_07.0412.C13.o4.gs
 Start 11337
 GI none
 Exons 11337..11654

Seq. ID OJ000229_07.0412.C13
 Strand -
 End 11654
 Method GENSCAN
 End 11654
 Score .95

Seq. No. 39964
 Gene No. 82662
 Start 11337
 Name OJ000229_07.0412.C13.o5.tc
 Start 11346
 GI none
 Exons 11346..11573, 11407..11568

Seq. ID OJ000229_07.0412.C13
 Strand -
 End 11654
 Method TBLASTX:Cress
 End 11573
 Score 149

Seq. No. 39964
 Gene No. 82662
 Start 11337
 Name OJ000229_07.0412.C13.o6.ts
 Start 11358
 GI none
 Exons 11358..11564, 11389..11547

Seq. ID OJ000229_07.0412.C13
 Strand -
 End 11654
 Method TBLASTX:Soybean
 End 11564
 Score 167

Seq. No. 39965
 Gene No. 82663
 Start 1
 Name OJ000229_07.0412.C15.o1.np
 Start 1
 GI 3668086
 Exons 1..29, 318..410, 697..789, 886..926, 1092..1189, 1341..1420, 1812..1946

Seq. ID OJ000229_07.0412.C15
 Strand +
 End 1946
 Method AAT/NAP
 End 1946
 Score 341

GI Descrip. (AC004667) unknown protein [Arabidopsis thaliana]

Seq. No. 39966
 Gene No. 82664
 Start 1
 Name OJ000229_07.0412.C17.o1.np
 Start 1
 GI 6069646
 Exons 1..27, 210..602, 885..1867

Seq. ID OJ000229_07.0412.C17
 Strand +
 End 1867
 Method AAT/NAP
 End 1867
 Score 807

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 39966
 Gene No. 82664
 Start 1
 Name OJ000229_07.0412.C17.o1.gs
 Start 82
 GI none

Seq. ID OJ000229_07.0412.C17
 Strand +
 End 1867
 Method GENSCAN
 End 668
 Score .89

Exons 82..194, 255..668

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o1.tm	Method	TBLASTX:Maize
Start	206	End	821
GI	none	Score	127
Exons	206..295, 210..350, 366..821, 368..820		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o8.tw	Method	TBLASTX:Wheat
Start	459	End	899
GI	none	Score	182
Exons	459..758, 464..649, 770..895, 771..899		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o6.tm	Method	TBLASTX:Maize
Start	833	End	1196
GI	none	Score	213
Exons	833..1093, 834..1106, 1113..1196		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o5.tm	Method	TBLASTX:Maize
Start	1293	End	1840
GI	none	Score	96
Exons	1293..1382, 1392..1415, 1417..1539, 1418..1642, 1634..1840, 1652..1771		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o2.gs	Method	GENSCAN
Start	1802	End	9061
GI	none	Score	.63
Exons	1802..1849, 2249..2528, 2665..2874, 3205..3277, 3711..6528, 6664..7647, 7707..9061		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o1.gp	Method	AAT/GAP
Start	3283	End	3587
GI	5816559	Score	457
Exons	3283..3587		
GI Descrip.	4680178/gb AF111709.1 AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+

Start	1802	End	9075
Name	OJ000229_07.0412.C17.o2.np	Method	AAT/NAP
Start	3715	End	9075
GI	5922631	Score	5559
Exons	3715..3839, 4098..4345, 4595..4804, 4850..5414, 5457..5605, 5732..6655, 7262..9075		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o6.tw	Method	TBLASTX:Wheat
Start	5019	End	5421
GI	none	Score	294
Exons	5019..5288, 5020..5421		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o1.tw	Method	TBLASTX:Wheat
Start	5995	End	6792
GI	none	Score	150
Exons	5995..6177, 6058..6171, 6216..6452, 6220..6450, 6499..6792, 6564..6788		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o8.tm	Method	TBLASTX:Maize
Start	6303	End	6450
GI	none	Score	182
Exons	6303..6449, 6304..6450		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o3.ts	Method	TBLASTX:Soybean
Start	6712	End	7077
GI	none	Score	138
Exons	6712..6936, 6943..7077		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o7.tw	Method	TBLASTX:Wheat
Start	6793	End	7026
GI	none	Score	279
Exons	6793..7026, 6813..7025, 6814..7026		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+

Start	1802	End	9075
Name	OJ000229_07.0412.C17.o3.tm	Method	TBLASTX:Maize
Start	6802	End	7158
GI	none	Score	372
Exons	6802..7158, 6843..7148		
Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o2.tw	Method	TBLASTX:Wheat
Start	7027	End	7446
GI	none	Score	468
Exons	7027..7446, 7027..7242, 7029..7445		
Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o1.ts	Method	TBLASTX:Soybean
Start	7291	End	7695
GI	none	Score	318
Exons	7291..7695, 7338..7481, 7518..7688		
Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o4.tm	Method	TBLASTX:Maize
Start	7390	End	7832
GI	none	Score	264
Exons	7390..7644, 7414..7590, 7422..7643, 7665..7796, 7706..7795, 7806..7832		
Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o5.tw	Method	TBLASTX:Wheat
Start	7491	End	7919
GI	none	Score	205
Exons	7491..7676, 7492..7710, 7698..7919, 7706..7762		
Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o2.ts	Method	TBLASTX:Soybean
Start	7947	End	8335
GI	none	Score	88
Exons	7947..8051, 7955..8335, 8091..8333		
Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o3.tw	Method	TBLASTX:Wheat
Start	7956	End	8378
GI	none	Score	417
Exons	7956..8378, 7964..8368		
Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+

Start	1802	End	9075
Name	OJ000229_07.0412.C17.o7.tm	Method	TBLASTX:Maize
Start	8009	End	8282
GI	none	Score	126
Exons	8009..8179, 8010..8180, 8184..8282, 8216..8281		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o9.tw	Method	TBLASTX:Wheat
Start	8394	End	8693
GI	none	Score	134
Exons	8394..8528, 8553..8693		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o2.tm	Method	TBLASTX:Maize
Start	8690	End	9053
GI	none	Score	449
Exons	8690..9001, 8691..9014, 8711..9025, 9005..9052, 9006..9053		

Seq. No.	39966	Seq. ID	OJ000229_07.0412.C17
Gene No.	82665	Strand	+
Start	1802	End	9075
Name	OJ000229_07.0412.C17.o4.tw	Method	TBLASTX:Wheat
Start	8696	End	9074
GI	none	Score	403
Exons	8696..9007, 8697..9074, 8898..9071, 9038..9073		

Seq. No.	39967	Seq. ID	OJ000229_07.0412.C18
Gene No.	82666	Strand	-
Start	1	End	715
Name	OJ000229_07.0412.C18.o1.np	Method	AAT/NAP
Start	1	End	715
GI	5902447	Score	899
Exons	1..715		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	39967	Seq. ID	OJ000229_07.0412.C18
Gene No.	82666	Strand	-
Start	1	End	715
Name	OJ000229_07.0412.C18.o1.gs	Method	GENSCAN
Start	27	End	591
GI	none	Score	.89
Exons	27..358, 441..591		

Seq. No.	39967	Seq. ID	OJ000229_07.0412.C18
Gene No.	82667	Strand	-
Start	805	End	885
Name	OJ000229_07.0412.C18.o2.np	Method	AAT/NAP
Start	805	End	885
GI	5902448	Score	137
Exons	805..885		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	39968	Seq. ID	OJ000229_07.0412.C19
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Gene No.	82668	Strand	+
Start	103	End	441
Name	OJ000229_07.0412.C19.o1.gs	Method	GENSCAN
Start	103	End	441
GI	none	Score	.83
Exons	103..441		
Seq. No.	39968	Seq. ID	OJ000229_07.0412.C19
Gene No.	82669	Strand	+
Start	1695	End	3033
Name	OJ000229_07.0412.C19.o1.np	Method	AAT/NAP
Start	1653	End	3033
GI	6978915	Score	354
Exons	1653..1818, 2558..2614, 2699..2789, 2895..3033		
GI Descrip.	(AC021665) unknown protein [Arabidopsis thaliana]		
Seq. No.	39968	Seq. ID	OJ000229_07.0412.C19
Gene No.	82669	Strand	+
Start	1695	End	3033
Name	OJ000229_07.0412.C19.o1.ts	Method	TBLASTX:Soybean
Start	1694	End	2949
GI	none	Score	127
Exons	1694..1789, 1698..1820, 1698..1820, 2554..2613, 2556..2618, 2557..2622, 2698..2817, 2698..2772, 2706..2801, 2905..2949		
Seq. No.	39968	Seq. ID	OJ000229_07.0412.C19
Gene No.	82669	Strand	+
Start	1695	End	3033
Name	OJ000229_07.0412.C19.o2.gs	Method	GENSCAN
Start	1695	End	1818
GI	none	Score	.48
Exons	1695..1818		
Seq. No.	39968	Seq. ID	OJ000229_07.0412.C19
Gene No.	82669	Strand	+
Start	1695	End	3033
Name	OJ000229_07.0412.C19.o1.tm	Method	TBLASTX:Maize
Start	1706	End	3033
GI	none	Score	110
Exons	1706..1783, 1710..1820, 1710..1820, 2556..2606, 2556..2615, 2557..2622, 2676..2783, 2688..2789, 2698..2787, 2905..3033		
Seq. No.	39968	Seq. ID	OJ000229_07.0412.C19
Gene No.	82669	Strand	+
Start	1695	End	3033
Name	OJ000229_07.0412.C19.o1.tw	Method	TBLASTX:Wheat
Start	2693	End	3033
GI	none	Score	141
Exons	2693..2785, 2694..2789, 2695..2787, 2904..3032, 2905..3033		
Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82670	Strand	+
Start	1	End	1589
Name	OJ000229_07.0412.C20.o1.np	Method	AAT/NAP
Start	1	End	1580
GI	4803931	Score	249
Exons	1..67, 290..382, 470..603, 1520..1580		

GI Descrip. (AC006264) unknown protein-[Arabidopsis thaliana]

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82670	Strand	+
Start	1	End	1589
Name	OJ000229_07.0412.C20.o1.gs	Method	GENSCAN
Start	290	End	1589
GI	none	Score	.99
Exons	290..382, 470..587, 1465..1589		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.o2.tm	Method	TBLASTX:Maize
Start	287	End	583
GI	none	Score	147
Exons	287..382, 287..382, 289..384, 289..384, 449..583, 467..565, 468..572		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.o1.tc	Method	TBLASTX:Cress
Start	314	End	571
GI	none	Score	96
Exons	314..382, 314..382, 316..384, 449..571		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.o3.tm	Method	TBLASTX:Maize
Start	1453	End	1754
GI	none	Score	187
Exons	1453..1590, 1467..1589, 1469..1600, 1469..1603, 1677..1754, 1681..1737		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.o2.gs	Method	GENSCAN
Start	3712	End	5411
GI	none	Score	.74
Exons	3712..3825, 3897..3984, 4053..4233, 4490..4580, 4960..5058, 5331..5411		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.o1.tm	Method	TBLASTX:Maize
Start	3742	End	6240
GI	none	Score	103
Exons	3742..3831, 3744..3830, 3894..3983, 3897..3983, 4046..4231, 4054..4242, 4055..4234, 4490..4585, 4491..4580, 4493..4585, 4832..4864, 4841..4885, 4960..5001, 4960..5004, 4986..5066, 4993..5061, 5070..5087, 6085..6126, 6108..6230, 6112..6228, 6121..6240		

Seq. No.	39969	Seq. ID	OJ000229_07.0412.C20
Gene No.	82671	Strand	+
Start	3712	End	6240
Name	OJ000229_07.0412.C20.ol.ts	Method	TBLASTX:Soybean
Start	3939	End	6230
GI	none	Score	64
Exons	3939..3980, 4046..4234, 4497..4580, 4514..4585, 4956..5060, 4963..5061, 6085..6228, 6093..6230		

Seq. No.	39970	Seq. ID	OJ000229_07.0412.C21
Gene No.	82672	Strand	
Start	264	End	757
Name	OJ000229_07.0412.C21.ol.tm	Method	TBLASTX:Maize
Start	264	End	757
GI	none	Score	138
Exons	264..353, 265..357, 280..360, 425..484, 428..484, 429..485, 603..737, 635..742, 671..757		

Seq. No.	39971	Seq. ID	OJ000229_07.0412.C23
Gene No.	82673	Strand	-
Start	2635	End	4007
Name	OJ000229_07.0412.C23.ol.gp	Method	AAT/GAP
Start	2635	End	3359
GI	73337_1.R1084	Score	1308
Exons	2635..3359		
GI Descrip.	'3831443 5.0e-10 (AC005819) putative auxin-regulated protein [Arabidopsis thaliana]'		

Seq. No.	39971	Seq. ID	OJ000229_07.0412.C23
Gene No.	82673	Strand	-
Start	2635	End	4007
Name	OJ000229_07.0412.C23.ol.np	Method	AAT/NAP
Start	2771	End	4007
GI	3831443	Score	181
Exons	2771..2830, 2864..3126, 3944..4007		
GI Descrip.	(AC005819) putative auxin-regulated protein [Arabidopsis thaliana]		

Seq. No.	39971	Seq. ID	OJ000229_07.0412.C23
Gene No.	82673	Strand	-
Start	2635	End	4007
Name	OJ000229_07.0412.C23.ol.tm	Method	TBLASTX:Maize
Start	2885	End	3199
GI	none	Score	131
Exons	2885..3031, 2910..3188, 3104..3199		

Seq. No.	39972	Seq. ID	OJ000229_07.0412.C24
Gene No.	82674	Strand	+
Start	544	End	1532
Name	OJ000229_07.0412.C24.ol.gs	Method	GENSCAN
Start	544	End	1532
GI	none	Score	.69
Exons	544..662, 1448..1532		

Seq. No.	39973	Seq. ID	OJ000229_07.0412.C25
Gene No.	82675	Strand	-
Start	342	End	517

Name	OJ000229_07.0412.C25.o1.gs	Method	GENSCAN
Start	342	End	517
GI	none	Score	.66
Exons	342..395, 452..517		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82676	Strand	+
Start	1	End	4919
Name	OJ000229_07.0412.C26.o1.gp	Method	AAT/GAP
Start	1	End	2059
GI	17876_1.R1084	Score	1910
Exons	1..146, 600..716, 1021..1097, 1193..1237, 1362..2059		
GI Descrip.	'5091616/gb AAD39604.1 AC007454_3 1.0e-52 (AC007454) F23M19.3 [Arabidopsis thaliana]'		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82676	Strand	+
Start	1	End	4919
Name	OJ000229_07.0412.C26.o1.np	Method	AAT/NAP
Start	1	End	3744
GI	5091616	Score	329
Exons	1..146, 600..726, 1031..1097, 1193..1237, 1362..1700, 3721..3744		
GI Descrip.	(AC007454) F23M19.3 [Arabidopsis thaliana]		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82676	Strand	+
Start	1	End	4919
Name	OJ000229_07.0412.C26.o1.gs	Method	GENSCAN
Start	1048	End	4919
GI	none	Score	.79
Exons	1048..1097, 1362..1838, 2203..2487, 2514..2673, 3129..3213, 3258..3388, 4028..4170, 4718..4919		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82677	Strand	+
Start	5290	End	5691
Name	OJ000229_07.0412.C26.o4.gp	Method	AAT/GAP
Start	5233	End	5586
GI	2428262	Score	659
Exons	5233..5586		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82677	Strand	+
Start	5290	End	5691
Name	OJ000229_07.0412.C26.o2.gs	Method	GENSCAN
Start	5290	End	5691
GI	none	Score	.54
Exons	5290..5691		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82678	Strand	+
Start	7857	End	9881
Name	OJ000229_07.0412.C26.o2.np	Method	AAT/NAP
Start	7833	End	9881
GI	6721098	Score	688
Exons	7833..8269, 8300..8632, 9831..9881		
GI Descrip.	(AC007396) T4O12.3 [Arabidopsis thaliana]		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82678	Strand	+
Start	7857	End	9881
Name	OJ000229_07.0412.C26.o3.gs	Method	GENSCAN
Start	7857	End	9331
GI	none	Score	.68
Exons	7857..8632, 9229..9331		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82679	Strand	+
Start	12519	End	12963
Name	OJ000229_07.0412.C26.o3.np	Method	AAT/NAP
Start	12519	End	12963
GI	5902448	Score	743
Exons	12519..12963		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82679	Strand	+
Start	12519	End	12963
Name	OJ000229_07.0412.C26.o5.gs	Method	GENSCAN
Start	12519	End	12910
GI	none	Score	.99
Exons	12519..12910		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82680	Strand	-
Start	2179	End	2922
Name	OJ000229_07.0412.C26.o3.gp	Method	AAT/GAP
Start	2179	End	2922
GI	6547_1.R1084	Score	783
Exons	2179..2364, 2577..2922		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o3.tm	Method	TBLASTX:Maize
Start	2661	End	2927
GI	none	Score	111
Exons	2661..2792, 2667..2708, 2673..2771, 2714..2776, 2730..2831, 2772..2807, 2796..2861, 2808..2861, 2808..2834, 2850..2924, 2886..2927		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o2.tm	Method	TBLASTX:Maize
Start	5415	End	5598
GI	none	Score	259
Exons	5415..5543, 5416..5598		

Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508

Name	OJ000229_07.0412.C26.o1.tw	Method	TBLASTX:Wheat
Start	5416	End	5586
GI	none	Score	176
Exons	5416..5535, 5422..5517, 5478..5534, 5512..5586		
Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o2.ts	Method	TBLASTX:Soybean
Start	5425	End	5691
GI	none	Score	113
Exons	5425..5520, 5530..5598, 5668..5691		
Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o1.ts	Method	TBLASTX:Soybean
Start	7869	End	8591
GI	none	Score	400
Exons	7869..8183, 7886..8179, 8214..8264, 8321..8365, 8322..8381, 8433..8591, 8453..8590		
Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o1.tm	Method	TBLASTX:Maize
Start	7878	End	8162
GI	none	Score	247
Exons	7878..8084, 7880..8068, 8079..8162, 8084..8161		
Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o1.tc	Method	TBLASTX:Cress
Start	7886	End	8585
GI	none	Score	387
Exons	7886..8185, 7887..8183, 8214..8264, 8322..8381, 8433..8585, 8438..8584		
Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o4.tw	Method	TBLASTX:Wheat
Start	7922	End	8381
GI	none	Score	47
Exons	7922..7945, 7923..7946, 8040..8117, 8042..8140, 8117..8179, 8121..8183, 8214..8258, 8337..8381		
Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o2.tw	Method	TBLASTX:Wheat
Start	8433	End	9823
GI	none	Score	221
Exons	8433..8585, 8438..8587, 9770..9823		
Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26

Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o4.tm	Method	TBLASTX:Maize
Start	8433	End	8582
GI	none	Score	200
Exons	8433..8582, 8438..8581		
Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82681	Strand	-
Start	10161	End	10508
Name	OJ000229_07.0412.C26.o4.gs	Method	GENSCAN
Start	10161	End	10508
GI	none	Score	.41
Exons	10161..10508		
Seq. No.	39974	Seq. ID	OJ000229_07.0412.C26
Gene No.	82682	Strand	-
Start	12639	End	12929
Name	OJ000229_07.0412.C26.o3.tw	Method	TBLASTX:Wheat
Start	12639	End	12929
GI	none	Score	211
Exons	12639..12929		
Seq. No.	39975	Seq. ID	OJ000229_07.0412.C27
Gene No.	82683	Strand	+
Start	76	End	537
Name	OJ000229_07.0412.C27.o1.np	Method	AAT/NAP
Start	76	End	534
GI	5902446	Score	684
Exons	76..534		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		
Seq. No.	39975	Seq. ID	OJ000229_07.0412.C27
Gene No.	82683	Strand	+
Start	76	End	537
Name	OJ000229_07.0412.C27.o1.gs	Method	GENSCAN
Start	89	End	537
GI	none	Score	.68
Exons	89..537		
Seq. No.	39975	Seq. ID	OJ000229_07.0412.C27
Gene No.	82684	Strand	-
Start	854	End	1086
Name	OJ000229_07.0412.C27.o2.gs	Method	GENSCAN
Start	854	End	1038
GI	none	Score	1
Exons	854..1038		
Seq. No.	39975	Seq. ID	OJ000229_07.0412.C27
Gene No.	82684	Strand	-
Start	854	End	1086
Name	OJ000229_07.0412.C27.o2.np	Method	AAT/NAP
Start	857	End	1086
GI	5902445	Score	393
Exons	857..1086		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	39975	Seq. ID	OJ000229_07.0412.C27
Gene No.	82684	Strand	-
Start	854	End	1086
Name	OJ000229_07.0412.C27.ol.tm	Method	TBLASTX:Maize
Start	905	End	1084
GI	none	Score	102
Exons	905..1006, 906..1007, 986..1084, 987..1037		

Seq. No.	39976	Seq. ID	OJ000229_07.0412.C29
Gene No.	82685	Strand	-
Start	1	End	756
Name	OJ000229_07.0412.C29.ol.np	Method	AAT/NAP
Start	1	End	756
GI	7488319	Score	289
Exons	1..756		
GI Descrip.	RNA-directed DNA polymerase homolog T13L16.7 - Arabidopsis thaliana (fragment)		

Seq. No.	39976	Seq. ID	OJ000229_07.0412.C29
Gene No.	82685	Strand	-
Start	1	End	756
Name	OJ000229_07.0412.C29.ol.tw	Method	TBLASTX:Wheat
Start	268	End	654
GI	none	Score	65
Exons	268..459, 317..460, 336..470, 463..654, 524..637		

Seq. No.	39977	Seq. ID	OJ000229_07.0412.C31
Gene No.	82686	Strand	-
Start	209	End	2753
Name	OJ000229_07.0412.C31.ol.np	Method	AAT/NAP
Start	209	End	2230
GI	4587533	Score	262
Exons	209..322, 427..519, 614..914, 2209..2230		
GI Descrip.	(AC007060) EST gb AA721821 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	39977	Seq. ID	OJ000229_07.0412.C31
Gene No.	82686	Strand	-
Start	209	End	2753
Name	OJ000229_07.0412.C31.ol.gs	Method	GENSCAN
Start	1298	End	2753
GI	none	Score	.69
Exons	1298..1516, 2592..2753		

Seq. No.	39977	Seq. ID	OJ000229_07.0412.C31
Gene No.	82687	Strand	-
Start	4436	End	4542
Name	OJ000229_07.0412.C31.ol.tm	Method	TBLASTX:Maize
Start	414	End	886
GI	none	Score	73
Exons	414..521, 415..483, 420..488, 608..886, 613..885		

Seq. No.	39977	Seq. ID	OJ000229_07.0412.C31
Gene No.	82687	Strand	-
Start	4436	End	4542
Name	OJ000229_07.0412.C31.ol.ts	Method	TBLASTX:Soybean
Start	415	End	931

GI	none	Score	65
Exons	415..492, 426..521, 432..521,	613..930, 659..931	

Seq. No.	39977	Seq. ID	OJ000229_07.0412.C31
Gene No.	82687	Strand	-
Start	4436	End	4542
Name	OJ000229_07.0412.C31.o2.np	Method	AAT/NAP
Start	4436	End	4542
GI	5852172	Score	82
Exons	4436..4542		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	39978	Seq. ID	OJ000229_07.0412.C32
Gene No.	82688	Strand	+
Start	320	End	505
Name	OJ000229_07.0412.C32.o1.gp	Method	AAT/GAP
Start	320	End	505
GI	533_1.R1084	Score	167
Exons	320..359, 382..505		
GI Descrip.	'113172/sp P15543 ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir_S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82689	Strand	+
Start	529	End	1252
Name	OJ000129_44.0303.C1.o1.gp	Method	AAT/GAP
Start	529	End	1252
GI	23698_1.R1084	Score	1382
Exons	529..1252		
GI Descrip.	'3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82690	Strand	+
Start	3454	End	4115
Name	OJ000129_44.0303.C1.o3.gp	Method	AAT/GAP
Start	3454	End	4115
GI	4714647	Score	1150
Exons	3454..4115		

Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82691	Strand	-
Start	1902	End	2140
Name	OJ000129_44.0303.C1.o2.gp	Method	AAT/GAP
Start	1902	End	2140
GI	33680_1.R1084	Score	466
Exons	1902..2140		
GI Descrip.	'4512705/gb AAD21758.1 3.0e-43 (AC006569) putative serine/threonine protein kinase [Arabidopsis thaliana]'		

Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82692	Strand	
Start	2110	End	3570
Name	OJ000129_44.0303.C1.o2.tc	Method	TBLASTX:Cress
Start	2110	End	2508

GI	none	Score	72
Exons	2110..2307, 2110..2364, 2360..2506, 2365..2508		
Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82692	Strand	
Start	2110	End	3570
Name	OJ000129_44.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	2161	End	3570
GI	none	Score	61
Exons	2161..2571, 2162..2227, 2164..2583, 2629..3024, 2705..2830, 2818..2937, 2858..3025, 3055..3141, 3147..3239, 3166..3240, 3481..3570		

Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82692	Strand	
Start	2110	End	3570
Name	OJ000129_44.0303.C1.o1.tw	Method	TBLASTX:Wheat
Start	2291	End	3103
GI	none	Score	315
Exons	2291..2524, 2291..2419, 2293..2556, 2293..2523, 2954..3103		

Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82692	Strand	
Start	2110	End	3570
Name	OJ000129_44.0303.C1.o1.ts	Method	TBLASTX:Soybean
Start	2365	End	3018
GI	none	Score	69
Exons	2365..2613, 2366..2527, 2662..3018		

Seq. No.	39979	Seq. ID	OJ000129_44.0303.C1
Gene No.	82692	Strand	
Start	2110	End	3570
Name	OJ000129_44.0303.C1.o1.tc	Method	TBLASTX:Cress
Start	2662	End	3021
GI	none	Score	43
Exons	2662..3021, 2774..2866, 2915..3007		

Seq. No.	39980	Seq. ID	OJ000129_44.0303.C2
Gene No.	82693	Strand	+
Start	3651	End	4205
Name	OJ000129_44.0303.C2.o1.gp	Method	AAT/GAP
Start	3651	End	4205
GI	none	Score	997
Exons	3651..4205		

Seq. No.	39981	Seq. ID	OJ000129_44.0303.C7
Gene No.	82694	Strand	
Start	287	End	2927
Name	OJ000129_44.0303.C7.o2.tm	Method	TBLASTX:Maize
Start	287	End	2927
GI	none	Score	189
Exons	287..520, 2688..2927		

Seq. No.	39981	Seq. ID	OJ000129_44.0303.C7
Gene No.	82694	Strand	
Start	287	End	2927
Name	OJ000129_44.0303.C7.o1.tm	Method	TBLASTX:Maize

Start	530	End	2581
GI	none	Score	76
Exons	530..601, 545..619, 630..740, 631..861, 904..999, 2143..2280, 2368..2565, 2369..2575, 2447..2581		

Seq. No.	39981	Seq. ID	OJ000129_44.0303.C7
Gene No.	82694	Strand	
Start	287	End	2927
Name	OJ000129_44.0303.C7.o1.tw	Method	TBLASTX:Wheat
Start	682	End	2529
GI	none	Score	131
Exons	682..819, 685..798, 925..999, 2125..2337, 2392..2529		

Seq. No.	39982	Seq. ID	OJ000129_44.0303.C8
Gene No.	82695	Strand	
Start	965	End	1465
Name	OJ000129_44.0303.C8.o1.ts	Method	TBLASTX:Soybean
Start	965	End	1429
GI	none	Score	234
Exons	965..1039, 1121..1429		

Seq. No.	39982	Seq. ID	OJ000129_44.0303.C8
Gene No.	82695	Strand	
Start	965	End	1465
Name	OJ000129_44.0303.C8.o2.tm	Method	TBLASTX:Maize
Start	995	End	1465
GI	none	Score	94
Exons	995..1039, 1139..1465, 1215..1442		

Seq. No.	39982	Seq. ID	OJ000129_44.0303.C8
Gene No.	82696	Strand	
Start	1583	End	1876
Name	OJ000129_44.0303.C8.o1.tm	Method	TBLASTX:Maize
Start	1583	End	1876
GI	none	Score	81
Exons	1583..1741, 1587..1730, 1784..1876		

Seq. No.	39983	Seq. ID	OJ000129_44.0303.C14
Gene No.	82697	Strand	
Start	1049	End	1418
Name	OJ000129_44.0303.C14.o1.tm	Method	TBLASTX:Maize
Start	1049	End	1418
GI	none	Score	71
Exons	1049..1159, 1219..1371, 1268..1345, 1295..1414, 1346..1417, 1347..1418		

Seq. No.	39983	Seq. ID	OJ000129_44.0303.C14
Gene No.	82697	Strand	
Start	1049	End	1418
Name	OJ000129_44.0303.C14.o1.tc	Method	TBLASTX:Cress
Start	1070	End	1417
GI	none	Score	59
Exons	1070..1150, 1183..1350, 1274..1345, 1328..1414, 1346..1417		

Seq. No.	39984	Seq. ID	OJ000129_44.0303.C16
Gene No.	82698	Strand	-
Start	289	End	355

Name	OJ000129_44.0303.C16.o1.gp	Method	AAT/GAP
Start	289	End	355
GI	5038932	Score	86
Exons	289..355		
GI Descrip.	3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39985	Seq. ID	OJ000129_44.0303.C18
Gene No.	82699	Strand	+
Start	1073	End	1733
Name	OJ000129_44.0303.C18.o2.gp	Method	AAT/GAP
Start	1073	End	1733
GI	12563_2.R1084	Score	1243
Exons	1073..1733		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	39985	Seq. ID	OJ000129_44.0303.C18
Gene No.	82700	Strand	-
Start	1765	End	2318
Name	OJ000129_44.0303.C18.o3.gp	Method	AAT/GAP
Start	1765	End	2318
GI	LIB3432-028-P1-K1-G9	Score	856
Exons	1765..1970, 2061..2318		
GI Descrip.	'4322327/gb AAD16016 1.0e-33 (AF080545) peptide transporter [Nepenthes alata]'		

Seq. No.	39985	Seq. ID	OJ000129_44.0303.C18
Gene No.	82701	Strand	-
Start	2546	End	3375
Name	OJ000129_44.0303.C18.o1.tc	Method	TBLASTX:Cress
Start	1159	End	3321
GI	none	Score	49
Exons	1159..1251, 1167..1265, 1230..1427, 1256..1510, 1479..1514, 1593..1748, 1613..1816, 1784..1939, 1842..1907, 2066..2542, 2190..2234, 2289..2543, 3127..3321, 3128..3319		

Seq. No.	39985	Seq. ID	OJ000129_44.0303.C18
Gene No.	82701	Strand	-
Start	2546	End	3375
Name	OJ000129_44.0303.C18.o2.tm	Method	TBLASTX:Maize
Start	1161	End	1652
GI	none	Score	62
Exons	1161..1265, 1162..1251, 1256..1510, 1257..1514, 1593..1652, 1613..1651		

Seq. No.	39985	Seq. ID	OJ000129_44.0303.C18
Gene No.	82701	Strand	-
Start	2546	End	3375
Name	OJ000129_44.0303.C18.o1.tw	Method	TBLASTX:Wheat
Start	1194	End	1501
GI	none	Score	170
Exons	1194..1493, 1256..1501, 1421..1498		

Seq. No.	39985	Seq. ID	OJ000129_44.0303.C18
Gene No.	82701	Strand	-
Start	2546	End	3375

Name	OJ000129_44.0303.C18.o1.ts	Method	TBLASTX:Soybean
Start	1322	End	3321
GI	none	Score	85
Exons	1322..1510, 1593..1754, 1616..1744, 1790..1954, 1842..1901, 2072..2533, 2289..2504, 3109..3321, 3110..3274		

Seq. No.	39985	Seq. ID	OJ000129_44.0303.C18
Gene No.	82701	Strand	-
Start	2546	End	3375
Name	OJ000129_44.0303.C18.o1.tm	Method	TBLASTX:Maize
Start	1655	End	2531
GI	none	Score	50
Exons	1655..1741, 1656..1706, 1784..1927, 1829..1900, 1934..1963, 2063..2530, 2202..2531		

Seq. No.	39985	Seq. ID	OJ000129_44.0303.C18
Gene No.	82701	Strand	-
Start	2546	End	3375
Name	OJ000129_44.0303.C18.o4.gp	Method	AAT/GAP
Start	2546	End	3375
GI	uC-osrocyp012b11b1	Score	500
Exons	2546..2599, 3100..3375		
GI Descrip.	'4102839 8.0e-32 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	39985	Seq. ID	OJ000129_44.0303.C18
Gene No.	82701	Strand	-
Start	2546	End	3375
Name	OJ000129_44.0303.C18.o3.tm	Method	TBLASTX:Maize
Start	3095	End	3352
GI	none	Score	151
Exons	3095..3352, 3121..3321		

Seq. No.	39985	Seq. ID	OJ000129_44.0303.C18
Gene No.	82701	Strand	-
Start	2546	End	3375
Name	OJ000129_44.0303.C18.o2.tw	Method	TBLASTX:Wheat
Start	3175	End	3321
GI	none	Score	157
Exons	3175..3321, 3179..3319		

Seq. No.	39986	Seq. ID	OJ000129_44.0303.C21
Gene No.	82702	Strand	-
Start	1	End	361
Name	OJ000129_44.0303.C21.o1.tc	Method	TBLASTX:Cress
Start	1	End	353
GI	none	Score	218
Exons	1..333, 20..331, 231..353		

Seq. No.	39986	Seq. ID	OJ000129_44.0303.C21
Gene No.	82702	Strand	-
Start	1	End	361
Name	OJ000129_44.0303.C21.o1.tm	Method	TBLASTX:Maize
Start	4	End	361
GI	none	Score	184
Exons	4..333, 20..361		

Seq. No.	39986	Seq. ID	OJ000129_44.0303.C21
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Gene No.	82702	Strand	
Start	1	End	361
Name	OJ000129_44.0303.C21.o1.ts	Method	TBLASTX:Soybean
Start	4	End	337
GI	none	Score	132
Exons	4..333, 98..337		
Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82703	Strand	+
Start	2105	End	2944
Name	OJ000129_44.0303.C22.o1.gp	Method	AAT/GAP
Start	2105	End	2944
GI	uC-osflcyp158d12b1	Score	647
Exons	2105..2251, 2581..2637, 2770..2944		
GI Descrip.	'4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o1.tc	Method	TBLASTX:Cress
Start	2817	End	3404
GI	none	Score	58
Exons	2817..2894, 2964..3029, 3060..3404, 3095..3403		
Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o1.tm	Method	TBLASTX:Maize
Start	3051	End	3530
GI	none	Score	415
Exons	3051..3530, 3125..3400, 3339..3422		
Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o1.ts	Method	TBLASTX:Soybean
Start	3060	End	3709
GI	none	Score	302
Exons	3060..3476, 3095..3403, 3635..3709		
Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o2.tc	Method	TBLASTX:Cress
Start	3635	End	3955
GI	none	Score	70
Exons	3635..3709, 3737..3955		
Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o2.tm	Method	TBLASTX:Maize
Start	3635	End	3970
GI	none	Score	301
Exons	3635..3970, 3635..3718, 3646..3909		

Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o1.tw	Method	TBLASTX:Wheat
Start	3670	End	3970
GI	none	Score	260
Exons	3670..3909, 3671..3970		
Seq. No.	39987	Seq. ID	OJ000129_44.0303.C22
Gene No.	82704	Strand	-
Start	8902	End	8968
Name	OJ000129_44.0303.C22.o2.gp	Method	AAT/GAP
Start	8902	End	8968
GI	1631463	Score	88
Exons	8902..8968		
GI Descrip.	4680178/gb AF111709.1 AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		
Seq. No.	39988	Seq. ID	OJ000129_44.0303.C23
Gene No.	82705	Strand	+
Start	131	End	600
Name	OJ000129_44.0303.C23.o1.gp	Method	AAT/GAP
Start	131	End	600
GI	38782_1.R1084	Score	772
Exons	131..600		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	39988	Seq. ID	OJ000129_44.0303.C23
Gene No.	82706	Strand	+
Start	1784	End	1981
Name	OJ000129_44.0303.C23.o2.gp	Method	AAT/GAP
Start	1784	End	1981
GI	5667165	Score	322
Exons	1784..1981		
GI Descrip.	5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	39989	Seq. ID	OJ000129_44.0303.C25
Gene No.	82707	Strand	
Start	2753	End	3094
Name	OJ000129_44.0303.C25.o1.tm	Method	TBLASTX:Maize
Start	2753	End	3094
GI	none	Score	67
Exons	2753..2869, 2755..2811, 2762..2908, 2947..3090, 2948..3094		
Seq. No.	39989	Seq. ID	OJ000129_44.0303.C25
Gene No.	82708	Strand	
Start	3245	End	3677
Name	OJ000129_44.0303.C25.o1.ts	Method	TBLASTX:Soybean
Start	3245	End	3677
GI	none	Score	116
Exons	3245..3406, 3402..3608, 3636..3677		
Seq. No.	39990	Seq. ID	OJ000129_44.0303.C28

Gene No.	82709	Strand	
Start	171	End	578
Name	OJ000129_44.0303.C28.o1.ts	Method	TBLASTX:Soybean
Start	171	End	542
GI	none	Score	265
Exons	171..542		
Seq. No.	39990	Seq. ID	OJ000129_44.0303.C28
Gene No.	82709	Strand	
Start	171	End	578
Name	OJ000129_44.0303.C28.o1.tm	Method	TBLASTX:Maize
Start	189	End	578
GI	none	Score	114
Exons	189..239, 283..558, 285..578		
Seq. No.	39991	Seq. ID	OJ000129_44.0303.C31
Gene No.	82710	Strand	-
Start	3546	End	3926
Name	OJ000129_44.0303.C31.o1.gp	Method	AAT/GAP
Start	3546	End	3926
GI	LIB3434-043-P1-K1-D5	Score	465
Exons	3546..3926		
GI Descrip.	'5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	39991	Seq. ID	OJ000129_44.0303.C31
Gene No.	82711	Strand	-
Start	4606	End	5100
Name	OJ000129_44.0303.C31.o1.tm	Method	TBLASTX:Maize
Start	1036	End	1368
GI	none	Score	260
Exons	1036..1368, 1083..1325		
Seq. No.	39991	Seq. ID	OJ000129_44.0303.C31
Gene No.	82711	Strand	-
Start	4606	End	5100
Name	OJ000129_44.0303.C31.o2.gp	Method	AAT/GAP
Start	4606	End	5100
GI	63917_1.R1084	Score	945
Exons	4606..5100		
GI Descrip.	'4521193/dbj AB013450.1 AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	39992	Seq. ID	OJ000129_44.0303.C32
Gene No.	82712	Strand	
Start	225	End	716
Name	OJ000129_44.0303.C32.o1.ts	Method	TBLASTX:Soybean
Start	225	End	689
GI	none	Score	80
Exons	225..299, 333..689, 472..687		
Seq. No.	39992	Seq. ID	OJ000129_44.0303.C32
Gene No.	82712	Strand	
Start	225	End	716
Name	OJ000129_44.0303.C32.o1.tm	Method	TBLASTX:Maize
Start	255	End	716
GI	none	Score	130

Exons 255..299, 333..389, 396..716, 418..705

Seq. No.	39992	Seq. ID	OJ000129_44.0303.C32
Gene No.	82713	Strand	
Start	840	End	1182
Name	OJ000129_44.0303.C32.o2.tm	Method	TBLASTX:Maize
Start	840	End	1182
GI	none	Score	89
Exons	840..998, 841..978, 1029..1130, 1030..1128, 1126..1182		

Seq. No.	39993	Seq. ID	OJ000129_44.0303.C37
Gene No.	82714	Strand	-
Start	1	End	455
Name	OJ000129_44.0303.C37.o1.gp	Method	AAT/GAP
Start	1	End	455
GI	uC-osrocyp012b11b1	Score	398
Exons	1..130, 335..455		
GI Descrip.	'4102839 8.0e-32 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	39994	Seq. ID	OJ000129_44.0303.C40
Gene No.	82715	Strand	-
Start	97	End	724
Name	OJ000129_44.0303.C40.o1.tm	Method	TBLASTX:Maize
Start	9	End	392
GI	none	Score	35
Exons	9..35, 97..183, 107..184, 273..392, 275..391		

Seq. No.	39994	Seq. ID	OJ000129_44.0303.C40
Gene No.	82715	Strand	-
Start	97	End	724
Name	OJ000129_44.0303.C40.o1.tc	Method	TBLASTX:Cress
Start	67	End	392
GI	none	Score	58
Exons	67..186, 97..180, 272..391, 275..388, 312..392		

Seq. No.	39994	Seq. ID	OJ000129_44.0303.C40
Gene No.	82715	Strand	-
Start	97	End	724
Name	OJ000129_44.0303.C40.o1.gp	Method	AAT/GAP
Start	97	End	724
GI	5038932	Score	347
Exons	97..183, 272..399, 683..724		
GI Descrip.	3337367 4.0e-29 (AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	39994	Seq. ID	OJ000129_44.0303.C40
Gene No.	82715	Strand	-
Start	97	End	724
Name	OJ000129_44.0303.C40.o1.ts	Method	TBLASTX:Soybean
Start	106	End	392
GI	none	Score	60
Exons	106..186, 107..184, 272..388, 272..391, 276..392		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82716	Strand	+
Start	547	End	1649
Name	OJ000209_21.0313.C2.o2.gp	Method	AAT/GAP

Start	547	End	1649
GI	2291_1.R1084	Score	2119
Exons	547..1649		
GI Descrip.	'133936/sp P12146 RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir_R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_(X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf_1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82717	Strand	+
Start	1664	End	2925
Name	OJ000209_21.0313.C2.o3.gp	Method	AAT/GAP
Start	1664	End	2925
GI	3073_1.R1084	Score	2465
Exons	1664..2925		
GI Descrip.	'133936/sp P12146 RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir_R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_(X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf_1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82718	Strand	+
Start	3051	End	4702
Name	OJ000209_21.0313.C2.o2.gs	Method	GENSCAN
Start	3051	End	4702
GI	none	Score	.78
Exons	3051..3108, 3282..3431, 3888..3937, 4586..4702		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82719	Strand	+
Start	5107	End	5799
Name	OJ000209_21.0313.C2.o3.gs	Method	GENSCAN
Start	5107	End	5799
GI	none	Score	.85
Exons	5107..5799		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82720	Strand	-
Start	1	End	282
Name	OJ000209_21.0313.C2.o1.gp	Method	AAT/GAP
Start	1	End	282
GI	41109_1.R1084	Score	534
Exons	1..282		
GI Descrip.	'132712/sp P12138 RK16_ORYSA 4.0e-56 CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 >gi_71250_pir_R5RZ16 ribosomal protein L16 - rice chloroplast >gi_669084_emb_CAA33933_(X15901) ribosomal protein L16 [Oryza sativa] >gi_226645_prf_1603356BV ribosomal protein L16 [Oryza sativa]'		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82720	Strand	-
Start	1	End	282
Name	OJ000209_21.0313.C2.o1.np	Method	AAT/NAP
Start	1	End	269
GI	132712	Score	458

Exons 1..269
 GI Descrip. CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 gi|71250|pir||R5RZ16
 ribosomal protein L16 - rice chloroplast gi|669084|emb|CAA33933|
 (X15901) ribosomal protein L16 [Oryza sativa]
 gi|226645|prf||1603356BV ribosomal protein L16 [Oryza sativa]

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82721	Strand	-
Start	1463	End	2183
Name	OJ000209_21.0313.C2.o1.gs	Method	GENSCAN
Start	1463	End	1963
GI	none	Score	.44
Exons	1463..1963		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82721	Strand	-
Start	1463	End	2183
Name	OJ000209_21.0313.C2.o2.np	Method	AAT/NAP
Start	1466	End	2183
GI	133936	Score	1210
Exons	1466..2183		

GI Descrip. CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 gi|70867|pir||R3RZ3
 ribosomal protein S3 - rice chloroplast gi|12025|emb|CAA33934|
 (X15901) ribosomal protein S3 [Oryza sativa]
 gi|226646|prf||1603356BW ribosomal protein S3 [Oryza sativa]

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82722	Strand	-
Start	2241	End	2687
Name	OJ000209_21.0313.C2.o3.np	Method	AAT/NAP
Start	2241	End	2687
GI	132790	Score	754
Exons	2241..2687		

GI Descrip. CHLOROPLAST 50S RIBOSOMAL PROTEIN L22 gi|71290|pir||R5RZ22
 ribosomal protein L22 - rice chloroplast gi|12026|emb|CAA33935|
 (X15901) ribosomal protein L22 [Oryza sativa]
 gi|226647|prf||1603356BX ribosomal protein L22 [Oryza sativa]

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82723	Strand	-
Start	2758	End	3038
Name	OJ000209_21.0313.C2.o4.np	Method	AAT/NAP
Start	2758	End	3038
GI	1334378	Score	256
Exons	2758..3038		

GI Descrip. (Y00141) ribosomal protein S19 (AA 1-93) [Zea mays]

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2937
GI	none	Score	287
Exons	1..222, 3..263, 8..265, 126..260, 1478..1858, 1479..1847, 1862..1969, 2032..2073, 2033..2074, 2069..2188, 2070..2183, 2178..2207, 2791..2925, 2801..2935, 2818..2937		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o4.tw	Method	TBLASTX:Wheat
Start	1	End	174
GI	none	Score	264
Exons	1..174, 1..171, 3..173		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o2.tm	Method	TBLASTX:Maize
Start	1	End	1347
GI	none	Score	335
Exons	1..222, 1..258, 3..263, 1291..1347		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o3.tc	Method	TBLASTX:Cress
Start	1	End	263
GI	none	Score	295
Exons	1..219, 1..258, 3..263, 149..256		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o3.tw	Method	TBLASTX:Wheat
Start	206	End	602
GI	none	Score	131
Exons	206..280, 207..281, 251..376, 277..381, 281..376, 286..411, 395..418, 397..420, 419..466, 451..531, 461..529, 462..530, 569..601, 570..602		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o3.tm	Method	TBLASTX:Maize
Start	566	End	889
GI	none	Score	352
Exons	566..814, 567..815, 574..885, 577..870, 821..889		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o1.tc	Method	TBLASTX:Cress
Start	605	End	1837
GI	none	Score	49
Exons	605..646, 613..633, 665..727, 683..727, 720..809, 721..810, 724..816, 937..963, 959..1003, 1111..1173, 1283..1324, 1294..1341, 1414..1656, 1421..1792, 1463..1837, 1464..1820		

Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o2.tw	Method	TBLASTX:Wheat
Start	689	End	1321

GI	none	Score	202
Exons	689..847, 690..839, 814..900, 814..900, 815..901, 886..999, 895..1002, 902..1003, 1009..1104, 1015..1104, 1036..1245, 1084..1245, 1255..1320, 1298..1321		
Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o4.tm	Method	TBLASTX:Maize
Start	930	End	1245
GI	none	Score	59
Exons	930..959, 931..966, 931..963, 956..997, 956..1003, 961..1065, 961..1068, 1036..1245, 1054..1104, 1090..1233, 1185..1244		
Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o1.tm	Method	TBLASTX:Maize
Start	1391	End	2937
GI	none	Score	37
Exons	1391..1423, 1400..1972, 1402..1620, 1415..1813, 1422..1970, 1865..1972, 1925..2041, 1966..2073, 1967..2074, 2001..2204, 2069..2200, 2083..2205, 2106..2207, 2185..2223, 2187..2645, 2199..2645, 2593..2736, 2637..2714, 2656..2715, 2731..2925, 2752..2937		
Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o1.tw	Method	TBLASTX:Wheat
Start	1872	End	2639
GI	none	Score	134
Exons	1872..2006, 1872..2072, 1874..2074, 1942..2139, 2022..2204, 2059..2205, 2063..2203, 2083..2205, 2185..2223, 2238..2636, 2244..2639		
Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o2.tc	Method	TBLASTX:Cress
Start	2069	End	2585
GI	none	Score	141
Exons	2069..2182, 2070..2180, 2231..2338, 2253..2549, 2262..2585		
Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o3.ts	Method	TBLASTX:Soybean
Start	2260	End	2588
GI	none	Score	133
Exons	2260..2550, 2262..2588, 2274..2555		
Seq. No.	39995	Seq. ID	OJ000209_21.0313.C2
Gene No.	82724	Strand	-
Start	6581	End	7362
Name	OJ000209_21.0313.C2.o6.tm	Method	TBLASTX:Maize
Start	5343	End	5769

GI none
Exons 5343..5504, 5344..5769

Score 258

Seq. No. 39995 Seq. ID OJ000209_21.0313.C2
Gene No. 82724 Strand -
Start 6581 End 7362
Name OJ000209_21.0313.C2.o7.np Method AAT/NAP
Start 6386 End 7362
GI 7488303 Score 268
Exons 6386..6690, 6777..6935, 7038..7362
GI Descrip. ribonucleoprotein homolog T4I9.1 - Arabidopsis thaliana
gi|3924594|gb|AAC79095.1| (AF069442) putative ribonucleoprotein
[Arabidopsis thaliana] gi|4262139|gb|AAD14439.1| (AC005275)
putative ribonucleoprotein [Arabidopsis thaliana]
gi|7270181|emb|CAB77796.1| (AL161496) putative ribonucleoprotein
[Arabidopsis thaliana]

Seq. No. 39995 Seq. ID OJ000209_21.0313.C2
Gene No. 82724 Strand -
Start 6581 End 7362
Name OJ000209_21.0313.C2.o4.gs Method GENSCAN
Start 6581 End 7287
GI none Score .63
Exons 6581..6690, 6837..6920, 7089..7287

Seq. No. 39995 Seq. ID OJ000209_21.0313.C2
Gene No. 82724 Strand -
Start 6581 End 7362
Name OJ000209_21.0313.C2.o2.ts Method TBLASTX:Soybean
Start 6585 End 6930
GI none Score 89
Exons 6585..6692, 6587..6697, 6775..6930, 6776..6850, 6805..6921

Seq. No. 39995 Seq. ID OJ000209_21.0313.C2
Gene No. 82724 Strand -
Start 6581 End 7362
Name OJ000209_21.0313.C2.o5.tm Method TBLASTX:Maize
Start 6585 End 7173
GI none Score 85
Exons 6585..6692, 6587..6697, 6728..6931, 6775..6930, 7009..7173

Seq. No. 39995 Seq. ID OJ000209_21.0313.C2
Gene No. 82724 Strand -
Start 6581 End 7362
Name OJ000209_21.0313.C2.o4.tc Method TBLASTX:Cress
Start 6779 End 6930
GI none Score 84
Exons 6779..6859, 6781..6900, 6781..6930

Seq. No. 39995 Seq. ID OJ000209_21.0313.C2
Gene No. 82724 Strand -
Start 6581 End 7362
Name OJ000209_21.0313.C2.o4.gp Method AAT/GAP
Start 6895 End 7362
GI none Score 671
Exons 6895..6920, 7011..7362

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82725	Strand	+
Start	6919	End	8090
Name	OJ000209_21.0313.C3.o2.gs	Method	GENSCAN
Start	6919	End	8087
GI	none	Score	.99
Exons	6919..6947, 7283..8087		
Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82725	Strand	+
Start	6919	End	8090
Name	OJ000209_21.0313.C3.o2.np	Method	AAT/NAP
Start	7244	End	8090
GI	4262142	Score	652
Exons	7244..8090		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		
Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82726	Strand	+
Start	11787	End	12595
Name	OJ000209_21.0313.C3.o3.np	Method	AAT/NAP
Start	11787	End	12595
GI	7431087	Score	484
Exons	11787..12595		
GI Descrip.	hypothetical protein F14M4.3 - Arabidopsis thaliana gi 3522952 gb AAC34234.1 (AC004411) putative alcohol dehydrogenase [Arabidopsis thaliana]		
Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82727	Strand	-
Start	1	End	3209
Name	OJ000209_21.0313.C3.o1.np	Method	AAT/NAP
Start	1	End	3209
GI	7488302	Score	379
Exons	1..27, 1146..1359, 1517..1596, 1696..1821, 1957..2035, 2882..2964, 3050..3209		
GI Descrip.	ribonucleoprotein homolog F21B7.26 - Arabidopsis thaliana gi 2809257 gb AAB97717.1 (AC002560) F21B7.26 [Arabidopsis thaliana]		
Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82727	Strand	-
Start	1	End	3209
Name	OJ000209_21.0313.C3.o1.gs	Method	GENSCAN
Start	264	End	3209
GI	none	Score	.87
Exons	264..479, 1174..1359, 1514..1602, 1696..1827, 1984..2035, 2882..2964, 3050..3209		
Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82728	Strand	
Start	7281	End	12616
Name	OJ000209_21.0313.C3.o1.tc	Method	TBLASTX:Cress
Start	7281	End	12202
GI	none	Score	212
Exons	7281..7550, 7286..7597, 7581..7664, 11816..12082, 12106..12201, 12116..12202		

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82728	Strand	
Start	7281	End	12616
Name	OJ000209_21.0313.C3.o1.tw	Method	TBLASTX:Wheat
Start	7281	End	12112
GI	none	Score	362
Exons	7281..7574, 7286..7582, 11815..11913, 11816..12094, 11885..11938, 12023..12112		

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82728	Strand	
Start	7281	End	12616
Name	OJ000209_21.0313.C3.o1.tm	Method	TBLASTX:Maize
Start	7281	End	12583
GI	none	Score	142
Exons	7281..7436, 7361..7435, 7428..7556, 7511..7552, 7581..7859, 7583..7858, 7935..8048, 7940..8047, 11816..11971, 11963..12088, 12020..12079, 12100..12366, 12101..12391, 12470..12583		

Seq. No.	39996	Seq. ID	OJ000209_21.0313.C3
Gene No.	82728	Strand	
Start	7281	End	12616
Name	OJ000209_21.0313.C3.o1.ts	Method	TBLASTX:Soybean
Start	7281	End	12616
GI	none	Score	165
Exons	7281..7436, 7349..7435, 7437..7547, 7514..7546, 7577..7882, 7581..7916, 7935..8084, 7940..8077, 11816..11983, 11972..12082, 12095..12457, 12112..12384, 12470..12616, 12526..12612		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82729	Strand	+
Start	1632	End	3458
Name	OJ000209_21.0313.C4.o1.gs	Method	GENSCAN
Start	1632	End	3331
GI	none	Score	.87
Exons	1632..1634, 1976..2044, 2319..2401, 2543..3142, 3148..3331		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82729	Strand	+
Start	1632	End	3458
Name	OJ000209_21.0313.C4.o1.np	Method	AAT/NAP
Start	2500	End	3340
GI	4262142	Score	585
Exons	2500..3340		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82729	Strand	+
Start	1632	End	3458
Name	OJ000209_21.0313.C4.o1.gp	Method	AAT/GAP
Start	3233	End	3458
GI	6025039	Score	376
Exons	3233..3458		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82730	Strand	+

Start	4297	End	5540
Name	OJ000209_21.0313.C4.o2.gs	Method	GENSCAN
Start	4297	End	5540
GI	none	Score	.73
Exons	4297..4415, 4751..5540		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82730	Strand	+
Start	4297	End	5540
Name	OJ000209_21.0313.C4.o2.gp	Method	AAT/GAP
Start	4475	End	4917
GI	62835_1.R1084	Score	504
Exons	4475..4571, 4751..4917		
GI Descrip.	'4262142/gb AAD14442 1.0e-12 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82731	Strand	-
Start	5309	End	5752
Name	OJ000209_21.0313.C4.o1.tm	Method	TBLASTX:Maize
Start	2535	End	5507
GI	none	Score	148
Exons	2535..2657, 2541..2696, 2612..2695, 2694..2825, 2826..3131, 3148..3297, 3149..3301, 4752..4904, 4754..4903, 4902..5033, 5034..5339, 5358..5507, 5399..5506, 5418..5507		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82731	Strand	-
Start	5309	End	5752
Name	OJ000209_21.0313.C4.o1.tc	Method	TBLASTX:Cress
Start	2541	End	5510
GI	none	Score	132
Exons	2541..2687, 2700..2804, 2811..2921, 2862..2891, 2930..3109, 2931..3119, 3224..3301, 4748..4894, 4761..4895, 4908..5012, 5019..5129, 5070..5099, 5138..5317, 5205..5327, 5448..5510		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82731	Strand	-
Start	5309	End	5752
Name	OJ000209_21.0313.C4.o1.ts	Method	TBLASTX:Soybean
Start	2541	End	5525
GI	none	Score	292
Exons	2541..2819, 2577..2675, 2609..2695, 2828..2974, 2829..3140, 3005..3139, 3173..3316, 3190..3306, 4730..4903, 4752..5027, 5036..5314, 5037..5354, 5382..5525, 5399..5506		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82731	Strand	-
Start	5309	End	5752
Name	OJ000209_21.0313.C4.o1.tw	Method	TBLASTX:Wheat
Start	2541	End	5024
GI	none	Score	227
Exons	2541..2699, 2541..2684, 2606..2701, 2694..2816, 2718..2819, 4748..4903, 4748..4909, 4752..4907, 4902..5024, 4908..4967		

Seq. No.	39997	Seq. ID	OJ000209_21.0313.C4
Gene No.	82731	Strand	-

Start	5309	End	5752
Name	OJ000209_21.0313.C4.o3.gp	Method	AAT/GAP
Start	5309	End	5752
GI	2918_1.R1084	Score	762
Exons	5309..5752		
GI Descrip.	'4262142/gb AAD14442 1.0e-09 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	39998	Seq. ID	OJ000209_21.0313.C9
Gene No.	82732	Strand	+
Start	1757	End	2239
Name	OJ000209_21.0313.C9.o2.gs	Method	GENSCAN
Start	1757	End	2239
GI	none	Score	.98
Exons	1757..2239		

Seq. No.	39998	Seq. ID	OJ000209_21.0313.C9
Gene No.	82733	Strand	-
Start	352	End	540
Name	OJ000209_21.0313.C9.o1.gs	Method	GENSCAN
Start	352	End	540
GI	none	Score	.86
Exons	352..540		

Seq. No.	39998	Seq. ID	OJ000209_21.0313.C9
Gene No.	82734	Strand	-
Start	1526	End	2261
Name	OJ000209_21.0313.C9.o1.np	Method	AAT/NAP
Start	1526	End	2261
GI	7242910	Score	89
Exons	1526..1608, 1680..1845, 2195..2261		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	39999	Seq. ID	OJ000209_21.0313.C10
Gene No.	82735	Strand	+
Start	1	End	3789
Name	OJ000209_21.0313.C10.o1.np	Method	AAT/NAP
Start	1	End	464
GI	7242910	Score	104
Exons	1..151, 260..313, 382..464		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	39999	Seq. ID	OJ000209_21.0313.C10
Gene No.	82735	Strand	+
Start	1	End	3789
Name	OJ000209_21.0313.C10.o1.gs	Method	GENSCAN
Start	230	End	3789
GI	none	Score	.6
Exons	230..411, 2010..2063, 2471..2722, 2870..2899, 3723..3789		

Seq. No.	39999	Seq. ID	OJ000209_21.0313.C10
Gene No.	82736	Strand	-
Start	3639	End	3736
Name	OJ000209_21.0313.C10.o1.gp	Method	AAT/GAP
Start	3639	End	3736
GI	LIB3477-003-P1-K1-E9	Score	120
Exons	3639..3736		

GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza
sativa]'

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o1.gs	Method	GENSCAN
Start	869	End	6757
GI	none	Score	.81
Exons	869..887, 1035..1171, 1979..2069, 2318..2386, 2446..2523, 2615..2734, 2783..2952, 3024..3296, 3648..3693, 3870..3986, 4201..4228, 4284..4428, 4620..4690, 5310..5458, 5621..5652, 5720..5834, 5971..6024, 6109..6226, 6571..6757		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o1.np	Method	AAT/NAP
Start	1052	End	4359
GI	5803253	Score	234
Exons	1052..1188, 2872..2966, 3041..3296, 3648..3759, 3897..3970, 4239..4359		

GI Descrip. (AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to
a region of the predicted gene; similar to serine protease
(AF097709) [Oryza sativa]

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o1.gp	Method	AAT/GAP
Start	2668	End	3739
GI	13284_1.R1084	Score	1052
Exons	2668..2952, 3024..3296, 3648..3739		

GI Descrip. '5803253/dbj|BAA83563.1| 7.0e-17 (AP000399) ESTs
AU068856(C50756),AU077979(C61370) correspond to a region of the
predicted gene; similar to serine protease (AF097709) [Oryza
sativa]'

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o2.gp	Method	AAT/GAP
Start	2689	End	3817
GI	13284_1.R1084	Score	1087
Exons	2689..2952, 3024..3296, 3648..3817		

GI Descrip. '5803253/dbj|BAA83563.1| 7.0e-17 (AP000399) ESTs
AU068856(C50756),AU077979(C61370) correspond to a region of the
predicted gene; similar to serine protease (AF097709) [Oryza
sativa]'

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o3.gp	Method	AAT/GAP
Start	3029	End	4006
GI	13284_1.R1084	Score	740

Exons 3029..3296, 3648..3768, 3870..4006
 GI Descrip. '5803253/dbj|BAA83563.1| 7.0e-17 (AP000399) ESTs
 AU068856(C50756),AU077979(C61370) correspond to a region of the
 predicted gene; similar to serine protease (AF097709) [Oryza
 sativa]'

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o4.gp	Method	AAT/GAP
Start	4295	End	6392
GI	621.1.R1084	Score	1426
Exons	4295..4428, 5001..5088, 5173..5274, 5363..5458, 5621..5652, 5759..5834, 5971..6024, 6161..6392		
GI Descrip.	'4262142/gb AAD14442 9.0e-13 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82737	Strand	+
Start	869	End	6757
Name	OJ000209_21.0313.C11.o2.np	Method	AAT/NAP
Start	5013	End	6180
GI	134596	Score	622
Exons	5013..5088, 5173..5274, 5363..5458, 5621..5652, 5759..5834, 5971..6024, 6161..6180		
GI Descrip.	SUPEROXIDE DISMUTASE [CU-ZN] 2 gi 100713 pir S21136 superoxide dismutase (EC 1.15.1.1) (Cu-Zn) sodB - rice gi 218226 dbj BAA00800.1 (D01000) copper/zinc-superoxide dismutase [Oryza sativa] gi 310321 gb AAC14465.1 (L19434) cytosolic copper/zinc-superoxide dismutase [Oryza sativa]		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o1.tm	Method	TBLASTX:Maize
Start	4979	End	6026
GI	none	Score	129
Exons	4979..5089, 5004..5090, 5171..5275, 5172..5282, 5175..5282, 5356..5460, 5361..5459, 5619..5651, 5729..5836, 5758..5835, 5930..6025, 5970..6026		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o1.ts	Method	TBLASTX:Soybean
Start	4983	End	6026
GI	none	Score	107
Exons	4983..5090, 5009..5089, 5010..5120, 5171..5275, 5172..5282, 5356..5463, 5361..5462, 5735..5836, 5758..5835, 5930..6025, 5969..6022, 5970..6026		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o1.tw	Method	TBLASTX:Wheat
Start	4992	End	6182
GI	none	Score	121

Exons 4992..5090, 4998..5087, 5003..5089, 5171..5275, 5172..5282,
5175..5282, 5356..5460, 5361..5459, 5608..5652, 5729..5836,
5749..5835, 5969..6025, 5970..6026, 5970..6026, 6144..6182,
6159..6182

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o1.tc	Method	TBLASTX:Cress
Start	5009	End	6026
GI	none	Score	107
Exons	5009..5089, 5010..5090, 5010..5090, 5011..5091, 5152..5274, 5171..5275, 5172..5282, 5172..5276, 5179..5283, 5356..5463, 5361..5462, 5741..5836, 5749..5835, 5930..6025, 5970..6026		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o2.gs	Method	GENSCAN
Start	7090	End	7518
GI	none	Score	.85
Exons	7090..7518		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o2.ts	Method	TBLASTX:Soybean
Start	7103	End	7662
GI	none	Score	82
Exons	7103..7195, 7117..7245, 7282..7584, 7298..7558, 7633..7662		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o3.np	Method	AAT/NAP
Start	7108	End	7663
GI	1717794	Score	324
Exons	7108..7663		
GI Descrip.	SEX DETERMINATION PROTEIN TASSELSEED 2 gi 539065 pir A47542 short-chain alcohol dehydrogenase (EC 1.1.1.-) - maize gi 393184 (L20621) alcohol dehydrogenase [Zea mays]		

Seq. No.	40000	Seq. ID	OJ000209_21.0313.C11
Gene No.	82738	Strand	-
Start	7090	End	7663
Name	OJ000209_21.0313.C11.o2.tm	Method	TBLASTX:Maize
Start	7111	End	7662
GI	none	Score	59
Exons	7111..7245, 7133..7195, 7321..7587, 7334..7549, 7627..7662		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82739	Strand	+
Start	94	End	1802
Name	OJ000209_21.0313.C12.o1.gs	Method	GENSCAN
Start	94	End	1802
GI	none	Score	.72
Exons	94..312, 1716..1802		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82740	Strand	-
Start	2733	End	3213
Name	OJ000209_21.0313.C12.o2.gs	Method	GENSCAN
Start	2733	End	3161
GI	none	Score	.79
Exons	2733..3161		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82740	Strand	-
Start	2733	End	3213
Name	OJ000209_21.0313.C12.o1.np	Method	AAT/NAP
Start	2751	End	3213
GI	1717794	Score	284
Exons	2751..3213		
GI Descrip.	SEX DETERMINATION PROTEIN TASSELSEED 2 gi 539065 pir A47542 short-chain alcohol dehydrogenase (EC 1.1.1.-) - maize gi 393184 (L20621) alcohol dehydrogenase [Zea mays]		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82740	Strand	-
Start	2733	End	3213
Name	OJ000209_21.0313.C12.o1.tc	Method	TBLASTX:Cress
Start	2754	End	3150
GI	none	Score	80
Exons	2754..2849, 2820..2924, 2955..3149, 2971..3150		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82740	Strand	-
Start	2733	End	3213
Name	OJ000209_21.0313.C12.o1.ts	Method	TBLASTX:Soybean
Start	2760	End	3209
GI	none	Score	163
Exons	2760..2888, 2925..3209, 2962..3189		

Seq. No.	40001	Seq. ID	OJ000209_21.0313.C12
Gene No.	82740	Strand	-
Start	2733	End	3213
Name	OJ000209_21.0313.C12.o1.tm	Method	TBLASTX:Maize
Start	2772	End	3213
GI	none	Score	143
Exons	2772..2888, 2964..3209, 2977..3213		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82741	Strand	+
Start	10758	End	10837
Name	OJ000209_21.0313.C13.o2.gp	Method	AAT/GAP
Start	10758	End	10837
GI	5455354	Score	102
Exons	10758..10837		
GI Descrip.	6016845/dbj AP000570.1 AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82742	Strand	+
Start	10837	End	10906

Name OJ000209_21.0313.C13.o3.gp Method AAT/GAP
 Start 10837 End 10906
 GI 4715947 Score .79
 Exons 10837..10906
 GI Descrip. 2252840 3.0e-09 (AF013293) contains regions of similarity to
 Haemophilus influenzae permease (SP:P38767) [Arabidopsis
 thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115)
 contains regions of similarity to Haemophilus influenzae
 permease (SP:P38767) [Arabidopsis thaliana]

Seq. No. 40002 Seq. ID OJ000209_21.0313.C13
 Gene No. 82743 Strand -
 Start 1 End 10184
 Name OJ000209_21.0313.C13.o1.np Method AAT/NAP
 Start 1 End 248
 GI 7431090 Score 236
 Exons 1..248
 GI Descrip. probable short-chain alcohol-dehydrogenase (EC 1.1.1.-) - tomato
 (fragment) gi|717142|gb|AAB00109.1| (U21801) alcohol
 dehydrogenase homolog [Lycopersicon esculentum]

Seq. No. 40002 Seq. ID OJ000209_21.0313.C13
 Gene No. 82743 Strand -
 Start 1 End 10184
 Name OJ000209_21.0313.C13.o1.gs Method GENSCAN
 Start 9 End 10184
 GI none Score .44
 Exons 9..261, 4244..4293, 4400..4664, 5118..5310, 5426..5582,
 7821..8099, 8627..9209, 10156..10184

Seq. No. 40002 Seq. ID OJ000209_21.0313.C13
 Gene No. 82743 Strand -
 Start 1 End 10184
 Name OJ000209_21.0313.C13.o1.gp Method AAT/GAP
 Start 7797 End 8207
 GI 2427597 Score 735
 Exons 7797..8207
 GI Descrip. 1293688 7.0e-10 (U53827) STA1-2 [Silene latifolia ssp. alba]
 >gi_1293692 (U53829) STA1-18 [Silene latifolia ssp. alba]

Seq. No. 40002 Seq. ID OJ000209_21.0313.C13
 Gene No. 82744 Strand -
 Start 11896 End 16938
 Name OJ000209_21.0313.C13.o2.gs Method GENSCAN
 Start 11896 End 16887
 GI none Score .56
 Exons 11896..12787, 12899..12972, 14405..15182, 16859..16887

Seq. No. 40002 Seq. ID OJ000209_21.0313.C13
 Gene No. 82744 Strand -
 Start 11896 End 16938
 Name OJ000209_21.0313.C13.o2.np Method AAT/NAP
 Start 14381 End 15231
 GI 4262142 Score .675
 Exons 14381..15231
 GI Descrip. (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82744	Strand	-
Start	11896	End	16938
Name	OJ000209_21.0313.C13.o4.gp	Method	AAT/GAP
Start	14922	End	16938
GI	2428268	Score	760
Exons	14922..15182, 15898..15972, 16859..16938		
GI Descrip.	4262142/gb AAD14442 9.0e-13 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o1.tc	Method	TBLASTX:Cress
Start	3	End	18182
GI	none	Score	109
Exons	3..92, 108..269, 148..258, 7830..7904, 7875..7979, 8031..8102, 8870..8965, 8981..9112, 9021..9131, 11917..12012, 11983..12087, 12130..12312, 12137..12313, 12274..12417, 12436..12543, 12559..12708, 12599..12709, 14423..14482, 14468..14569, 14591..14797, 14625..14831, 14747..14917, 14918..15034, 14922..15035, 15038..15184, 15039..15185, 17649..17708, 17694..17786, 17829..18023, 17851..18057, 17994..18131, 18144..18182		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o1.ts	Method	TBLASTX:Soybean
Start	3	End	18194
GI	none	Score	118
Exons	3..98, 99..257, 148..258, 7815..7943, 7980..8102, 8624..8812, 8634..8777, 8870..8971, 8972..9112, 9021..9134, 11923..12051, 12088..12426, 12128..12364, 12436..12549, 12550..12708, 12599..12712, 14402..14536, 14424..14486, 14570..15184, 14745..15170, 17629..17712, 17631..17762, 17781..18194, 17848..17949, 17977..18114		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o1.tm	Method	TBLASTX:Maize
Start	6	End	18183
GI	none	Score	66
Exons	6..107, 99..275, 138..251, 148..300, 7830..7943, 8019..8102, 8589..8762, 8624..8806, 8870..8980, 8972..9112, 9018..9167, 11917..12051, 12128..12340, 12133..12414, 12433..12558, 12550..12708, 12596..12709, 14415..14486, 14423..14536, 14612..15034, 14613..15017, 15038..15184, 15039..15182, 15068..15193, 17649..17762, 17650..17712, 17788..18183, 17838..18182		

Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o1.tw	Method	TBLASTX:Wheat
Start	6	End	18194

GI	none	Score	61
Exons	6..62, 6..293, 123..275, 8870..9112, 8888..8941, 8955..9173, 12409..12789, 12533..12751, 14895..15053, 14912..15031, 15026..15184, 15027..15185, 18117..18194		
Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o3.np	Method	AAT/NAP
Start	17607	End	18195
GI	4262142	Score	460
Exons	17607..18195		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		
Seq. No.	40002	Seq. ID	OJ000209_21.0313.C13
Gene No.	82745	Strand	-
Start	17616	End	18195
Name	OJ000209_21.0313.C13.o3.gs	Method	GENSCAN
Start	17616	End	18112
GI	none	Score	.52
Exons	17616..18112		
Seq. No.	40003	Seq. ID	OJ000209_21.0313.C14
Gene No.	82746	Strand	+
Start	1183	End	1381
Name	OJ000209_21.0313.C14.o1.gs	Method	GENSCAN
Start	1183	End	1381
GI	none	Score	.92
Exons	1183..1381		
Seq. No.	40003	Seq. ID	OJ000209_21.0313.C14
Gene No.	82747	Strand	-
Start	399	End	1273
Name	OJ000209_21.0313.C14.o1.gp	Method	AAT/GAP
Start	399	End	1273
GI	2428268	Score	246
Exons	399..476, 1194..1273		
GI Descrip.	4262142/gb AAD14442 9.0e-13 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		
Seq. No.	40004	Seq. ID	OJ000209_21.0313.C15
Gene No.	82748	Strand	-
Start	230	End	387
Name	OJ000209_21.0313.C15.o1.gs	Method	GENSCAN
Start	230	End	387
GI	none	Score	.52
Exons	230..296, 323..387		
Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82749	Strand	+
Start	1327	End	3495
Name	OJ000209_21.0313.C17.o1.gs	Method	GENSCAN
Start	1327	End	3489
GI	none	Score	.69
Exons	1327..1398, 2140..2172, 2518..3489		
Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17

Gene No.	82749	Strand	+
Start	1327	End	3495
Name	OJ000209_21.0313.C17.o1.gp	Method	AAT/GAP
Start	2109	End	2953
GI	uC-osrocyp009h02b1	Score	769
Exons	2109..2172, 2589..2953		
GI Descrip.	'58066/emb X52324 ARBLSKM 2.0e-13 pBluescript SK(-) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82749	Strand	+
Start	1327	End	3495
Name	OJ000209_21.0313.C17.o1.np	Method	AAT/NAP
Start	2644	End	3495
GI	4262142	Score	544
Exons	2644..3495		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82750	Strand	-
Start	3195	End	3931
Name	OJ000209_21.0313.C17.o1.tm	Method	TBLASTX:Maize
Start	2656	End	3453
GI	none	Score	142
Exons	2656..2847, 2845..2961, 2977..3255, 3360..3452, 3361..3453		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82750	Strand	-
Start	3195	End	3931
Name	OJ000209_21.0313.C17.o1.tw	Method	TBLASTX:Wheat
Start	2661	End	2970
GI	none	Score	234
Exons	2661..2687, 2671..2847, 2688..2798, 2845..2961, 2908..2970		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82750	Strand	-
Start	3195	End	3931
Name	OJ000209_21.0313.C17.o1.tc	Method	TBLASTX:Cress
Start	2677	End	3453
GI	none	Score	125
Exons	2677..2838, 2851..2955, 2971..3072, 3082..3264, 3394..3453		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82750	Strand	-
Start	3195	End	3931
Name	OJ000209_21.0313.C17.o1.ts	Method	TBLASTX:Soybean
Start	2689	End	3513
GI	none	Score	234
Exons	2689..2970, 2979..3269, 2980..3279, 3306..3500, 3361..3513		

Seq. No.	40005	Seq. ID	OJ000209_21.0313.C17
Gene No.	82750	Strand	-
Start	3195	End	3931
Name	OJ000209_21.0313.C17.o2.gp	Method	AAT/GAP
Start	3195	End	3931
GI	2799196	Score	794
Exons	3195..3797, 3899..3931		

GI Descrip. 58066/emb|X52324|ARBLSKM 2.0e-13 pBluescript SK(-) vector DNA, phagemid excised from lambda ZAP

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82751	Strand	+
Start	6293	End	12445
Name	OJ000209_21.0313.C18.o1.np	Method	AAT/NAP
Start	6293	End	12445
GI	7228457	Score	9255
Exons	6293..6659, 6721..8656, 8720..9554, 9677..10828, 10895..12445		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82752	Strand	-
Start	25	End	668
Name	OJ000209_21.0313.C18.o1.gs	Method	GENSCAN
Start	25	End	668
GI	none	Score	.94
Exons	25..389, 425..633, 655..668		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82753	Strand	-
Start	13093	End	16321
Name	OJ000209_21.0313.C18.o4.gs	Method	GENSCAN
Start	13093	End	16321
GI	none	Score	.71
Exons	13093..14667, 14752..14965, 15060..16321		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82753	Strand	-
Start	13093	End	16321
Name	OJ000209_21.0313.C18.o2.np	Method	AAT/NAP
Start	13096	End	16321
GI	6907089	Score	4142
Exons	13096..14965, 15060..16321		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o1.tm	Method	TBLASTX:Maize
Start	1688	End	2551
GI	none	Score	160
Exons	1688..1933, 1849..1932, 1931..2062, 2063..2404, 2459..2551		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o7.tw	Method	TBLASTX:Wheat
Start	1757	End	2056
GI	none	Score	247
Exons	1757..1936, 1843..1938, 1931..2053, 1970..2056		

Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-

Start	16984	End	17204
Name	OJ000209_21.0313.C18.o1.tc	Method	TBLASTX:Cress
Start	1763	End	2020
GI	none	Score	227
Exons	1763..2020		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o1.ts	Method	TBLASTX:Soybean
Start	1775	End	2560
GI	none	Score	242
Exons	1775..2056, 1840..1950, 2075..2362, 2459..2560, 2488..2550		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o4.tw	Method	TBLASTX:Wheat
Start	2661	End	11833
GI	none	Score	375
Exons	2661..2744, 11452..11508, 11453..11833, 11554..11802		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o6.tw	Method	TBLASTX:Wheat
Start	6947	End	7339
GI	none	Score	58
Exons	6947..6994, 7001..7099, 7018..7098, 7066..7227, 7082..7339		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o5.tm	Method	TBLASTX:Maize
Start	6952	End	7237
GI	none	Score	193
Exons	6952..7236, 6989..7237		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o5.tw	Method	TBLASTX:Wheat
Start	7347	End	10807
GI	none	Score	234
Exons	7347..7400, 10373..10597, 10373..10597, 10438..10611, 10658..10807, 10669..10806		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o3.tw	Method	TBLASTX:Wheat
Start	8077	End	8560
GI	none	Score	418
Exons	8077..8214, 8078..8560, 8117..8239, 8272..8532		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-

Start	16984	End	17204
Name	OJ000209_21.0313.C18.o1.tw	Method	TBLASTX:Wheat
Start	8727	End	9190
GI	none	Score	211
Exons	8727..9170, 8728..9189, 8729..9190		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o4.ts	Method	TBLASTX:Soybean
Start	8768	End	9133
GI	none	Score	117
Exons	8768..8992, 8999..9133		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o2.tm	Method	TBLASTX:Maize
Start	8858	End	9214
GI	none	Score	392
Exons	8858..9214, 8893..9204, 8909..9214		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o4.tm	Method	TBLASTX:Maize
Start	9241	End	9625
GI	none	Score	360
Exons	9241..9606, 9242..9625		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o2.tw	Method	TBLASTX:Wheat
Start	9299	End	9723
GI	none	Score	488
Exons	9299..9718, 9304..9723		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o2.ts	Method	TBLASTX:Soybean
Start	9377	End	9748
GI	none	Score	271
Exons	9377..9748, 9394..9537		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o3.ts	Method	TBLASTX:Soybean
Start	10496	End	11062
GI	5666795	Score	68
Exons	10496..10594, 10670..10807, 10862..11062		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-

Start	16984	End	17204
Name	OJ000209_21.0313.C18.o9.tw	Method	TBLASTX:Wheat
Start	10810	End	11122
GI	none	Score	191
Exons	10810..10986, 10841..11011, 10862..11122		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o3.tm	Method	TBLASTX:Maize
Start	11315	End	11638
GI	none	Score	366
Exons	11315..11638, 11344..11625		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o8.tw	Method	TBLASTX:Wheat
Start	11834	End	12436
GI	none	Score	259
Exons	11834..12118, 11839..12117, 12310..12432, 12311..12436		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o6.tm	Method	TBLASTX:Maize
Start	12305	End	12448
GI	none	Score	184
Exons	12305..12448, 12310..12444		
Seq. No.	40006	Seq. ID	OJ000209_21.0313.C18
Gene No.	82754	Strand	-
Start	16984	End	17204
Name	OJ000209_21.0313.C18.o3.np	Method	AAT/NAP
Start	16984	End	17204
GI	7523512	Score	118
Exons	16984..17204		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	40007	Seq. ID	OJ000209_21.0313.C19
Gene No.	82755	Strand	+
Start	1	End	122
Name	OJ000209_21.0313.C19.o1.np	Method	AAT/NAP
Start	1	End	122
GI	5042454	Score	70
Exons	1..122		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	40007	Seq. ID	OJ000209_21.0313.C19
Gene No.	82756	Strand	+
Start	258	End	723
Name	OJ000209_21.0313.C19.o1.gp	Method	AAT/GAP
Start	258	End	723
GI	LIB3432-059-P1-K1-D8	Score	725
Exons	258..723		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	40007	Seq. ID	OJ000209_21.0313.C19
Gene No.	82757	Strand	-
Start	202	End	282
Name	OJ000209_21.0313.C19.o1.gs	Method	GENSCAN
Start	202	End	282
GI	none	Score	.86
Exons	202..282		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82758	Strand	+
Start	533	End	4366
Name	OJ000209_21.0313.C23.o1.gs	Method	GENSCAN
Start	533	End	3631
GI	none	Score	.51
Exons	533..687, 899..1404, 2088..2216, 2613..2764, 2839..3062, 3242..3305, 3405..3631		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82758	Strand	+
Start	533	End	4366
Name	OJ000209_21.0313.C23.o1.np	Method	AAT/NAP
Start	871	End	3866
GI	6815107	Score	370
Exons	871..1427, 1514..1879, 1970..2238, 3839..3866		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82758	Strand	+
Start	533	End	4366
Name	OJ000209_21.0313.C23.o2.np	Method	AAT/NAP
Start	917	End	4366
GI	7485859	Score	525
Exons	917..1404, 1494..1860, 1954..2402, 2471..2750, 2831..2958, 4326..4366		

GI Descrip. hypothetical protein F20D10.300 - Arabidopsis thaliana gi|4467124|emb|CAB37558.1| (AL035538) hypothetical protein [Arabidopsis thaliana] gi|7270802|emb|CAB80483.1| (AL161593) hypothetical protein [Arabidopsis thaliana]

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o2.tc	Method	TBLASTX:Cress
Start	1525	End	1845
GI	none	Score	183
Exons	1525..1845, 1665..1835		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o1.tm	Method	TBLASTX:Maize
Start	1570	End	2082
GI	none	Score	298
Exons	1570..1848, 1572..1847, 1959..2042, 1969..2082		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o1.ts	Method	TBLASTX:Soybean
Start	1630	End	2289
GI	none	Score	209
Exons	1630..1851, 1668..1832, 1956..2042, 1969..2289, 2118..2252		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o2.tw	Method	TBLASTX:Wheat
Start	1959	End	2319
GI	none	Score	241
Exons	1959..2045, 1969..2319		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o2.gs	Method	GENSCAN
Start	4782	End	5174
GI	none	Score	.81
Exons	4782..5174		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o3.np	Method	AAT/NAP
Start	4824	End	5298
GI	4262142	Score	228
Exons	4824..5143, 5248..5298		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o1.tw	Method	TBLASTX:Wheat
Start	4842	End	5129
GI	none	Score	253
Exons	4842..5024, 4844..5026, 5019..5129		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o1.tc	Method	TBLASTX:Cress
Start	4851	End	5108
GI	none	Score	218
Exons	4851..5108		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o2.ts	Method	TBLASTX:Soybean
Start	4863	End	5129
GI	none	Score	232
Exons	4863..5129, 4934..5038		

Seq. No.	40008	Seq. ID	OJ000209_21.0313.C23
Gene No.	82759	Strand	+
Start	4782	End	5298
Name	OJ000209_21.0313.C23.o2.tm	Method	TBLASTX:Maize
Start	4865	End	5137
GI	none	Score	191
Exons	4865..5008, 4866..5009, 5025..5129, 5027..5137		
Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82760	Strand	+
Start	482	End	1759
Name	OJ000209_21.0313.C24.o1.gs	Method	GENSCAN
Start	482	End	1756
GI	none	Score	.41
Exons	482..492, 952..1756		
Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82760	Strand	+
Start	482	End	1759
Name	OJ000209_21.0313.C24.o1.gp	Method	AAT/GAP
Start	598	End	1184
GI	none	Score	856
Exons	598..734, 823..1184		
Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82760	Strand	+
Start	482	End	1759
Name	OJ000209_21.0313.C24.o1.np	Method	AAT/NAP
Start	901	End	1759
GI	4262142	Score	621
Exons	901..1759		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		
Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82761	Strand	-
Start	1426	End	1773
Name	OJ000209_21.0313.C24.o1.tw	Method	TBLASTX:Wheat
Start	854	End	1228
GI	none	Score	36
Exons	854..883, 937..1110, 950..1105, 1103..1228, 1142..1228		
Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82761	Strand	-
Start	1426	End	1773
Name	OJ000209_21.0313.C24.o1.tm	Method	TBLASTX:Maize
Start	937	End	1267
GI	none	Score	145
Exons	937..1044, 938..1093, 941..1084, 1109..1267, 1142..1264		
Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82761	Strand	-
Start	1426	End	1773
Name	OJ000209_21.0313.C24.o1.ts	Method	TBLASTX:Soybean
Start	950	End	1717
GI	none	Score	182
Exons	950..1213, 964..1119, 1469..1549, 1609..1716, 1610..1717		

Seq. No.	40009	Seq. ID	OJ000209_21.0313.C24
Gene No.	82761	Strand	-
Start	1426	End	1773
Name	OJ000209_21.0313.C24.o2.gp	Method	AAT/GAP
Start	1426	End	1773
GI	uC-osrocyp006c05a1	Score	681
Exons	1426..1773		
GI Descrip.	'4262142/gb AAD14442 2.0e-19 (AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	40010	Seq. ID	OJ000209_21.0313.C26
Gene No.	82762	Strand	-
Start	1	End	976
Name	OJ000209_21.0313.C26.o1.np	Method	AAT/NAP
Start	1	End	963
GI	6815062	Score	578
Exons	1..794, 886..963		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC Fl6P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	40010	Seq. ID	OJ000209_21.0313.C26
Gene No.	82762	Strand	-
Start	1	End	976
Name	OJ000209_21.0313.C26.o1.tm	Method	TBLASTX:Maize
Start	126	End	595
GI	none	Score	51
Exons	126..191, 130..186, 161..262, 284..400, 460..594, 470..595		193..300, 193..261, 283..429,

Seq. No.	40010	Seq. ID	OJ000209_21.0313.C26
Gene No.	82762	Strand	-
Start	1	End	976
Name	OJ000209_21.0313.C26.o1.gs	Method	GENSCAN
Start	626	End	976
GI	none	Score	.4
Exons	626..742, 886..976		

Seq. No.	40011	Seq. ID	OJ000209_21.0313.C27
Gene No.	82763	Strand	-
Start	1	End	2371
Name	OJ000209_21.0313.C27.o1.np	Method	AAT/NAP
Start	1	End	2371
GI	5690095	Score	1047
Exons	1..1869, 1972..2371		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		

Seq. No.	40011	Seq. ID	OJ000209_21.0313.C27
Gene No.	82763	Strand	-
Start	1	End	2371
Name	OJ000209_21.0313.C27.o1.gs	Method	GENSCAN
Start	125	End	2371
GI	none	Score	.43
Exons	125..354, 460..1024, 1181..2371		

Seq. No.	40011	Seq. ID	OJ000209_21.0313.C27
Gene No.	82763	Strand	-

Start	1	End	2371
Name	OJ000209_21.0313.C27.ol.tm	Method	TBLASTX:Maize
Start	449	End	1015
GI	none	Score	219
Exons	449..829, 471..839, 492..839, 866..1015		
Seq. No.	40012	Seq. ID	OJ000209_21.0313.C29
Gene No.	82764	Strand	-
Start	1	End	2449
Name	OJ000209_21.0313.C29.ol.gp	Method	AAT/GAP
Start	1	End	1474
GI	13284_1.R1084	Score	1509
Exons	1..112, 201..236, 367..497, 853..1125, 1197..1474		
GI Descrip.	'5803253/dbj BAA83563.1 7.0e-17 (AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]'		
Seq. No.	40012	Seq. ID	OJ000209_21.0313.C29
Gene No.	82764	Strand	-
Start	1	End	2449
Name	OJ000209_21.0313.C29.ol.np	Method	AAT/NAP
Start	1	End	2449
GI	5803253	Score	249
Exons	1..112, 367..497, 853..1108, 1183..1297, 1408..1527, 2430..2449		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		
Seq. No.	40012	Seq. ID	OJ000209_21.0313.C29
Gene No.	82764	Strand	-
Start	1	End	2449
Name	OJ000209_21.0313.C29.ol.gs	Method	GENSCAN
Start	201	End	2375
GI	none	Score	.95
Exons	201..236, 367..497, 853..1125, 1197..1324, 1408..1527, 1619..1696, 1756..1827, 1948..2007, 2254..2375		
Seq. No.	40013	Seq. ID	OJ000209_21.0313.C31
Gene No.	82765	Strand	-
Start	1	End	1295
Name	OJ000209_21.0313.C31.ol.np	Method	AAT/NAP
Start	1	End	1295
GI	5803253	Score	192
Exons	1..27, 242..372, 583..873, 967..1024, 1130..1295		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		
Seq. No.	40013	Seq. ID	OJ000209_21.0313.C31
Gene No.	82765	Strand	-
Start	1	End	1295
Name	OJ000209_21.0313.C31.ol.gs	Method	GENSCAN
Start	242	End	1079
GI	none	Score	.82
Exons	242..372, 583..858, 952..1079		

Seq. No.	40013	Seq. ID	OJ000209_21.0313.C31
Gene No.	82765	Strand	-
Start	1	End	1295
Name	OJ000209_21.0313.C31.o1.gp	Method	AAT/GAP
Start	927	End	1295
GI	none	Score	496
Exons	927..1079, 1155..1295		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o1.gp	Method	AAT/GAP
Start	1	End	2152
GI	3303 1.R1084	Score	1672
Exons	1..90, 185..256, 458..577, 726..823, 1294..1453, 1533..1631, 1773..1970, 2055..2152		
GI Descrip.	'2623298 0.0e+00 (AC002409) putative 4-alpha-glucanotransferase [Arabidopsis thaliana]'		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o1.np	Method	AAT/NAP
Start	1	End	2152
GI	7484782	Score	1067
Exons	1..90, 185..256, 458..577, 726..823, 1294..1453, 1503..1631, 1773..1970, 2055..2152		
GI Descrip.	4-alpha-glucanotransferase homolog T20B5.4 - Arabidopsis thaliana gi 2623298 gb AAB86444.1 (AC002409) 4-alpha-glucanotransferase [Arabidopsis thaliana]		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o2.tm	Method	TBLASTX:Maize
Start	11	End	1372
GI	none	Score	115
Exons	11..91, 13..90, 176..256, 182..256, 184..261, 450..578, 456..575, 457..582, 458..583, 716..805, 717..821, 722..829, 1289..1372, 1290..1364		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o1.tc	Method	TBLASTX:Cress
Start	13	End	1456
GI	none	Score	96
Exons	13..90, 185..256, 457..567, 458..577, 705..821, 713..829, 726..839, 1282..1455, 1289..1456		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.o1.gs	Method	GENSCAN
Start	55	End	2148
GI	none	Score	.9
Exons	55..90, 185..256, 458..577, 726..823, 1294..1453, 1533..1631,		

1773..1970, 2055..2148

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.ol.tw	Method	TBLASTX:Wheat
Start	717	End	1848
GI	none	Score	167
Exons	717..821, 719..823, 719..829, 723..836, 1289..1456, 1291..1455, 1524..1637, 1529..1633, 1532..1666, 1533..1652, 1756..1848, 1764..1847, 1771..1848		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.ol.ts	Method	TBLASTX:Soybean
Start	761	End	1860
GI	none	Score	90
Exons	761..829, 762..821, 1282..1455, 1289..1456, 1532..1663, 1533..1652, 1751..1840, 1756..1839, 1764..1856, 1771..1860, 1772..1846		

Seq. No.	40014	Seq. ID	OJ000209_21.0313.C32
Gene No.	82766	Strand	+
Start	1	End	2154
Name	OJ000209_21.0313.C32.ol.tm	Method	TBLASTX:Maize
Start	1374	End	2154
GI	none	Score	64
Exons	1374..1454, 1380..1454, 1381..1455, 1381..1455, 1382..1456, 1524..1637, 1529..1633, 1532..1666, 1533..1652, 1764..1970, 1771..1971, 1772..1966, 2026..2085, 2033..2149, 2051..2149, 2052..2150, 2052..2150, 2053..2154		

Seq. No.	40015	Seq. ID	OJ000209_21.0313.C33
Gene No.	82767	Strand	+
Start	131	End	520
Name	OJ000209_21.0313.C33.ol.gp	Method	AAT/GAP
Start	131	End	520
GI	3303_1.R1084	Score	738
Exons	131..520		
GI Descrip.	'2623298 0.0e+00 (AC002409) putative 4-alpha-glucanotransferase [Arabidopsis thaliana]'		

Seq. No.	40015	Seq. ID	OJ000209_21.0313.C33
Gene No.	82767	Strand	+
Start	131	End	520
Name	OJ000209_21.0313.C33.ol.np	Method	AAT/NAP
Start	131	End	288
GI	7484782	Score	83
Exons	131..288		
GI Descrip.	4-alpha-glucanotransferase homolog T20B5.4 - Arabidopsis thaliana gi 2623298 gb AAB86444.1 (AC002409) 4-alpha-glucanotransferase [Arabidopsis thaliana]		

Seq. No.	40015	Seq. ID	OJ000209_21.0313.C33
Gene No.	82767	Strand	+
Start	131	End	520

Name	OJ000209_21.0313.C33.o1.gs	Method	GENSCAN
Start	131	End	291
GI	none	Score	.52
Exons	131..291		
Seq. No.	40015	Seq. ID	OJ000209_21.0313.C33
Gene No.	82768	Strand	-
Start	2384	End	2830
Name	OJ000209_21.0313.C33.o1.tm	Method	TBLASTX:Maize
Start	133	End	509
GI	none	Score	143
Exons	133..228, 136..213, 138..221, 140..232, 226..339, 226..339, 227..358, 411..509		
Seq. No.	40015	Seq. ID	OJ000209_21.0313.C33
Gene No.	82768	Strand	-
Start	2384	End	2830
Name	OJ000209_21.0313.C33.o2.gs	Method	GENSCAN
Start	2384	End	2830
GI	none	Score	.99
Exons	2384..2830		
Seq. No.	40016	Seq. ID	OJ000209_20.0313.C1
Gene No.	82769	Strand	-
Start	638	End	1573
Name	OJ000209_20.0313.C1.o1.gs	Method	GENSCAN
Start	638	End	1573
GI	none	Score	.78
Exons	638..762, 1537..1573		
Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82770	Strand	+
Start	1	End	2958
Name	OJ000209_20.0313.C3.o1.np	Method	AAT/NAP
Start	1	End	2958
GI	7434424	Score	1580
Exons	1..233, 297..2473, 2591..2958		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) A1, receptor type - long-staminate rice gi 2586083 gb AAB82755.1 (U72725) receptor kinase-like protein [Oryza longistaminata]		
Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82771	Strand	+
Start	3256	End	3846
Name	OJ000209_20.0313.C3.o1.gp	Method	AAT/GAP
Start	3256	End	3846
GI	37204_1.R1084	Score	1148
Exons	3256..3846		
GI Descrip.	'5262760/emb CAB45908.1 6.0e-25 (AL080283) Beta-COP-like protein [Arabidopsis thaliana]'		
Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o1.tc	Method	TBLASTX:Cress
Start	17	End	2688
GI	none	Score	61

Exons 17..211, 23..214, 23..214, 29..226, 32..217, 40..174, 58..213, 79..285, 122..217, 125..274, 331..498, 335..574, 335..574, 335..577, 450..569, 527..568, 584..772, 596..772, 628..750, 809..892, 827..895, 878..1465, 878..1525, 896..1597, 902..1294, 902..1168, 905..1522, 970..1092, 1009..1170, 1043..1648, 1055..1600, 1069..1239, 1081..1242, 1127..1603, 1226..1384, 1339..1548, 1342..1596, 1357..1596, 1369..1539, 1385..1453, 1441..1596, 1501..1596, 1568..1669, 2230..2382, 2443..2472, 2596..2688

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o1.ts	Method	TBLASTX:Soybean
Start	19	End	1672
GI	none	Score	101
Exons	19..216, 20..214, 32..217, 32..265, 335..580, 404..574, 593..763, 629..778, 899..1453, 926..1525, 932..1672, 1361..1597, 1424..1597		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.tm	Method	TBLASTX:Maize
Start	32	End	1603
GI	none	Score	79
Exons	32..217, 118..213, 125..214, 206..244, 335..574, 335..580, 335..574, 335..574, 470..574, 584..769, 878..1507, 896..1579, 979..1179, 983..1603, 1262..1597, 1331..1597, 1351..1569		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o1.tw	Method	TBLASTX:Wheat
Start	470	End	1477
GI	none	Score	88
Exons	470..637, 542..940, 836..1078, 962..1147, 964..1029, 1034..1180, 1382..1477		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.tc	Method	TBLASTX:Cress
Start	1871	End	2155
GI	none	Score	272
Exons	1871..2155, 1969..2151		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.ts	Method	TBLASTX:Soybean
Start	1871	End	2772
GI	none	Score	88
Exons	1871..2008, 1978..2163, 1979..2212, 2233..2382, 2248..2403, 2614..2727, 2746..2772		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
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Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o3.tm	Method	TBLASTX:Maize
Start	2011	End	2420
GI	none	Score	179
Exons	2011..2175, 2012..2179, 2233..2382, 2248..2373, 2310..2420		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o4.tm	Method	TBLASTX:Maize
Start	2424	End	2949
GI	none	Score	63
Exons	2424..2471, 2425..2472, 2592..2738, 2605..2748, 2812..2949		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.tw	Method	TBLASTX:Wheat
Start	3626	End	3852
GI	none	Score	164
Exons	3626..3847, 3664..3852, 3666..3836, 3667..3849		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o3.tc	Method	TBLASTX:Cress
Start	3628	End	3801
GI	none	Score	103
Exons	3628..3801, 3664..3801		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o3.ts	Method	TBLASTX:Soybean
Start	3658	End	4701
GI	none	Score	160
Exons	3658..3864, 3664..3864, 4627..4701, 4628..4690, 4630..4692		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o1.tm	Method	TBLASTX:Maize
Start	3664	End	4702
GI	none	Score	141
Exons	3664..3864, 3666..3863, 3667..3864, 3674..3865, 4625..4693, 4627..4701, 4628..4702		

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.np	Method	AAT/NAP
Start	3664	End	4706
GI	7447851	Score	370
Exons	3664..3865, 4628..4706		
GI Descrip.	hypothetical protein F3L17.60 - Arabidopsis thaliana gi 5262760 emb CAB45908.1 (AL080283) Beta-COP-like protein		

[Arabidopsis thaliana] gi|7270052|emb|CAB79867.1| (AL161579)
Beta-COP-like protein [Arabidopsis thaliana]

Seq. No.	40017	Seq. ID	OJ000209_20.0313.C3
Gene No.	82772	Strand	-
Start	3664	End	4706
Name	OJ000209_20.0313.C3.o2.gp	Method	AAT/GAP
Start	4127	End	4661
GI	none	Score	1046
Exons	4127..4661		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.gp	Method	AAT/GAP
Start	193	End	1860
GI	24251_1.R1084	Score	1456
Exons	193..735, 1620..1860		
GI Descrip.	'5262759/emb CAB45907.1 1.0e-126 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.np	Method	AAT/NAP
Start	221	End	3677
GI	7447851	Score	3306
Exons	221..749, 1604..3677		
GI Descrip.	hypothetical protein F3L17.60 - Arabidopsis thaliana gi 5262760 emb CAB45908.1 (AL080283) Beta-COP-like protein [Arabidopsis thaliana] gi 7270052 emb CAB79867.1 (AL161579) Beta-COP-like protein [Arabidopsis thaliana]		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.tm	Method	TBLASTX:Maize
Start	223	End	2316
GI	none	Score	597
Exons	223..738, 223..738, 1620..2096, 1623..1658, 1627..2079, 1737..2081, 2082..2315, 2085..2315, 2116..2316		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o2.ts	Method	TBLASTX:Soybean
Start	223	End	1763
GI	none	Score	109
Exons	223..360, 226..354, 325..738, 356..736, 361..738, 1613..1729, 1618..1758, 1620..1763, 1627..1761		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.tc	Method	TBLASTX:Cress
Start	291	End	1773
GI	none	Score	314

Exons	291..647, 291..737, 292..738, 292..738, 696..740, 1613..1762, 1615..1773, 1620..1772		
Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.tw	Method	TBLASTX:Wheat
Start	555	End	1821
GI	none	Score	93
Exons	555..638, 555..737, 556..738, 556..738, 1613..1819, 1618..1818, 1620..1820, 1627..1821		
Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o1.ts	Method	TBLASTX:Soybean
Start	1764	End	2351
GI	none	Score	242
Exons	1764..2045, 1768..2043, 2046..2165, 2050..2166, 2056..2166, 2076..2180, 2078..2203, 2179..2208, 2205..2351, 2215..2343		
Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o4.tc	Method	TBLASTX:Cress
Start	1773	End	2154
GI	none	Score	156
Exons	1773..2033, 1776..2009, 1777..2034, 1986..2147, 2041..2154		
Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o2.tc	Method	TBLASTX:Cress
Start	2154	End	2567
GI	none	Score	253
Exons	2154..2567, 2169..2558, 2182..2565		
Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o3.tm	Method	TBLASTX:Maize
Start	2428	End	2768
GI	none	Score	246
Exons	2428..2640, 2460..2768, 2627..2692		
Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o3.ts	Method	TBLASTX:Soybean
Start	2751	End	3107
GI	none	Score	66
Exons	2751..2966, 2776..2856, 2911..2955, 2955..3107, 2970..3107		
Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o2.tm	Method	TBLASTX:Maize

Start	3093	End	3648
GI	none	Score	117
Exons	3093..3218, 3093..3458, 3094..3414, 3417..3644, 3463..3648		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o3.tc	Method	TBLASTX:Cress
Start	3105	End	3677
GI	none	Score	250
Exons	3105..3458, 3106..3414, 3423..3677, 3466..3645		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o4.ts	Method	TBLASTX:Soybean
Start	3303	End	3679
GI	none	Score	177
Exons	3303..3458, 3304..3414, 3423..3677, 3463..3666, 3549..3677, 3650..3679		

Seq. No.	40018	Seq. ID	OJ000209_20.0313.C4
Gene No.	82773	Strand	-
Start	193	End	3796
Name	OJ000209_20.0313.C4.o2.gp	Method	AAT/GAP
Start	3343	End	3796
GI	49663_1.R1084	Score	885
Exons	3343..3796		
GI Descrip.	'4206196/gb AAD11584.1 AAD11584 3.0e-10 (AF071527) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40019	Seq. ID	OJ000209_20.0313.C5
Gene No.	82774	Strand	+
Start	371	End	1971
Name	OJ000209_20.0313.C5.o1.gs	Method	GENSCAN
Start	371	End	896
GI	none	Score	.75
Exons	371..680, 802..896		

Seq. No.	40019	Seq. ID	OJ000209_20.0313.C5
Gene No.	82774	Strand	+
Start	371	End	1971
Name	OJ000209_20.0313.C5.o1.np	Method	AAT/NAP
Start	690	End	1971
GI	3309082	Score	73
Exons	690..768, 802..884, 1948..1971		
GI Descrip.	(AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]		

Seq. No.	40020	Seq. ID	OJ000209_20.0313.C6
Gene No.	82775	Strand	+
Start	363	End	2420
Name	OJ000209_20.0313.C6.o1.gs	Method	GENSCAN
Start	363	End	2420
GI	none	Score	.67
Exons	363..423, 1659..1820, 1909..2053, 2231..2420		

Seq. No.	40020	Seq. ID	OJ000209_20.0313.C6
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Gene No.	82776	Strand	-
Start	2634	End	3518
Name	OJ000209_20.0313.C6.o2.gs	Method	GENSCAN
Start	2634	End	3518
GI	none	Score	.57
Exons	2634..2941, 2947..3061, 3097..3518		
Seq. No.	40020	Seq. ID	OJ000209_20.0313.C6
Gene No.	82776	Strand	-
Start	2634	End	3518
Name	OJ000209_20.0313.C6.o1.tm	Method	TBLASTX:Maize
Start	2724	End	3171
GI	none	Score	146
Exons	2724..2855, 2935..3171		
Seq. No.	40021	Seq. ID	OJ000209_20.0313.C7
Gene No.	82777	Strand	+
Start	8751	End	14368
Name	OJ000209_20.0313.C7.o1.np	Method	AAT/NAP
Start	8751	End	12706
GI	4680186	Score	298
Exons	8751..8798, 10676..10833, 12311..12706		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	40021	Seq. ID	OJ000209_20.0313.C7
Gene No.	82777	Strand	+
Start	8751	End	14368
Name	OJ000209_20.0313.C7.o4.gs	Method	GENSCAN
Start	10687	End	14155
GI	none	Score	.5
Exons	10687..10865, 11334..11491, 12309..12466, 12642..12739, 12775..12921, 13039..13141, 13715..14155		
Seq. No.	40021	Seq. ID	OJ000209_20.0313.C7
Gene No.	82777	Strand	+
Start	8751	End	14368
Name	OJ000209_20.0313.C7.o1.gp	Method	AAT/GAP
Start	11504	End	11983
GI	38782.1.R1084	Score	824
Exons	11504..11983		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	40021	Seq. ID	OJ000209_20.0313.C7
Gene No.	82777	Strand	+
Start	8751	End	14368
Name	OJ000209_20.0313.C7.o2.np	Method	AAT/NAP
Start	13417	End	14368
GI	6907086	Score	1096
Exons	13417..14172, 14230..14368		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	40021	Seq. ID	OJ000209_20.0313.C7
Gene No.	82778	Strand	-
Start	253	End	866
Name	OJ000209_20.0313.C7.o1.gs	Method	GENSCAN
Start	253	End	866

GI	none	Score	.67
Exons	253..458, 497..866		
Seq. No.	40021	Seq. ID	OJ000209_20.0313.C7
Gene No.	82779	Strand	-
Start	3538	End	5350
Name	OJ000209_20.0313.C7.o2.gs	Method	GENSCAN
Start	3538	End	5350
GI	none	Score	.73
Exons	3538..4469, 4543..5350		
Seq. No.	40021	Seq. ID	OJ000209_20.0313.C7
Gene No.	82780	Strand	-
Start	7034	End	8750
Name	OJ000209_20.0313.C7.o3.gs	Method	GENSCAN
Start	7034	End	8750
GI	none	Score	.87
Exons	7034..8343, 8429..8750		
Seq. No.	40022	Seq. ID	OJ000209_20.0313.C8
Gene No.	82781	Strand	+
Start	1	End	1981
Name	OJ000209_20.0313.C8.o1.np	Method	AAT/NAP
Start	1	End	447
GI	6907086	Score	241
Exons	1..447		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	40022	Seq. ID	OJ000209_20.0313.C8
Gene No.	82781	Strand	+
Start	1	End	1981
Name	OJ000209_20.0313.C8.o2.np	Method	AAT/NAP
Start	1	End	1981
GI	6907088	Score	136
Exons	1..27, 757..1001, 1906..1981		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	40022	Seq. ID	OJ000209_20.0313.C8
Gene No.	82782	Strand	-
Start	69	End	293
Name	OJ000209_20.0313.C8.o1.gs	Method	GENSCAN
Start	69	End	293
GI	none	Score	.57
Exons	69..293		
Seq. No.	40022	Seq. ID	OJ000209_20.0313.C8
Gene No.	82783	Strand	-
Start	1871	End	1981
Name	OJ000209_20.0313.C8.o3.np	Method	AAT/NAP
Start	1871	End	1981
GI	6907086	Score	132
Exons	1871..1981		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	40023	Seq. ID	OJ000209_20.0313.C9
Gene No.	82784	Strand	+
Start	2701	End	3179

Name	OJ000209_20.0313.C9.o1.gp	Method	AAT/GAP
Start	2701	End	3179
GI	38782_1.R1084	Score	800
Exons	2701..3179		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	40023	Seq. ID	OJ000209_20.0313.C9
Gene No.	82785	Strand	-
Start	1	End	1304
Name	OJ000209_20.0313.C9.o1.np	Method	AAT/NAP
Start	1	End	1304
GI	6907086	Score	1134
Exons	1..481; 539..1304		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40023	Seq. ID	OJ000209_20.0313.C9
Gene No.	82786	Strand	-
Start	1978	End	7193
Name	OJ000209_20.0313.C9.o2.np	Method	AAT/NAP
Start	1978	End	7193
GI	4680186	Score	204
Exons	1978..2396, 2897..2955, 7154..7193		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40024	Seq. ID	OJ000209_20.0313.C10
Gene No.	82787	Strand	+
Start	115	End	285
Name	OJ000209_20.0313.C10.o1.gs	Method	GENSCAN
Start	115	End	285
GI	none	Score	.99
Exons	115..234, 274..285		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o1.np	Method	AAT/NAP
Start	1	End	1967
GI	6522541	Score	935
Exons	1..1524, 1644..1967		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o2.tc	Method	TBLASTX:Cress
Start	225	End	1741
GI	none	Score	209
Exons	225..575, 237..707, 240..647, 240..440, 249..512, 264..647, 264..647, 384..629, 393..554, 549..650, 1284..1427, 1358..1483, 1661..1741		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o2.tm	Method	TBLASTX:Maize
Start	225	End	710

GI	none	Score	171
Exons	225..509, 255..581, 309..710, 368..709, 435..647		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o2.ts	Method	TBLASTX:Soybean
Start	225	End	719
GI	none	Score	280
Exons	225..719, 240..647, 372..650, 383..577, 419..649, 488..709		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o1.gs	Method	GENSCAN
Start	434	End	1960
GI	none	Score	.78
Exons	434..1524, 1644..1960		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o1.tc	Method	TBLASTX:Cress
Start	921	End	1202
GI	none	Score	283
Exons	921..1202, 926..1180		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o1.ts	Method	TBLASTX:Soybean
Start	921	End	1828
GI	none	Score	83
Exons	921..1010, 938..994, 1028..1213, 1029..1265, 1254..1427, 1275..1424, 1312..1425, 1361..1429, 1642..1806, 1643..1828		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o1.tm	Method	TBLASTX:Maize
Start	1061	End	1427
GI	none	Score	180
Exons	1061..1225, 1062..1229, 1269..1427, 1275..1424		

Seq. No.	40025	Seq. ID	OJ000209_20.0313.C11
Gene No.	82788	Strand	+
Start	1	End	1967
Name	OJ000209_20.0313.C11.o3.tm	Method	TBLASTX:Maize
Start	1484	End	1882
GI	none	Score	192
Exons	1484..1522, 1642..1803, 1655..1882		

Seq. No.	40026	Seq. ID	OJ000209_20.0313.C13
Gene No.	82789	Strand	+
Start	393	End	539
Name	OJ000209_20.0313.C13.o1.gs	Method	GENSCAN
Start	393	End	539

GI none
Exons 393..539

Score .75

Seq. No. 40027
Gene No. 82790
Start 92
Name OJ000209_20.0313.C14.o1.gs
Start 92
GI none
Exons 92..904, 1021..1281

Seq. ID OJ000209_20.0313.C14
Strand -
End 1281
Method GENSCAN
End 1281
Score .82

Seq. No. 40028
Gene No. 82791
Start 1032
Name OJ000209_20.0313.C15.o1.gs
Start 1032
GI none
Exons 1032..1123, 1749..1839

Seq. ID OJ000209_20.0313.C15
Strand +
End 1839
Method GENSCAN
End 1839
Score .48

Seq. No. 40028
Gene No. 82792
Start 2160
Name OJ000209_20.0313.C15.o2.gs
Start 2160
GI none
Exons 2160..2357, 2522..2527

Seq. ID OJ000209_20.0313.C15
Strand -
End 2527
Method GENSCAN
End 2527
Score .97

Seq. No. 40029
Gene No. 82793
Start 2354
Name OJ000209_20.0313.C17.o1.gp
Start 2354
GI none
Exons 2354..2542

Seq. ID OJ000209_20.0313.C17
Strand +
End 2542
Method AAT/GAP
End 2542
Score 313

Seq. No. 40030
Gene No. 82794
Start 373
Name OJ000209_20.0313.C18.o1.gp
Start 373
GI none
Exons 373..435, 701..923

Seq. ID OJ000209_20.0313.C18
Strand +
End 923
Method AAT/GAP
End 923
Score 522

Seq. No. 40030
Gene No. 82794
Start 373
Name OJ000209_20.0313.C18.o1.gs
Start 379
GI none
Exons 379..434

Seq. ID OJ000209_20.0313.C18
Strand +
End 923
Method GENSCAN
End 434
Score .64

Seq. No. 40031
Gene No. 82795
Start 3191
Name OJ000209_20.0313.C19.o1.np
Start 3191
GI 6815052

Seq. ID OJ000209_20.0313.C19
Strand +
End 3750
Method AAT/NAP
End 3750
Score 189

Exons 3191..3324, 3647..3750
 GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No.	40031	Seq. ID	OJ000209_20.0313.C19
Gene No.	82796	Strand	-
Start	3166	End	4232
Name	OJ000209_20.0313.C19.o1.gs	Method	GENSCAN
Start	3166	End	4232
GI	none	Score	.45
Exons	3166..3282, 3642..3781, 3989..4232		

Seq. No.	40032	Seq. ID	OJ000209_20.0313.C20
Gene No.	82797	Strand	-
Start	53	End	104
Name	OJ000209_20.0313.C20.o1.gs	Method	GENSCAN
Start	53	End	104
GI	none	Score	.98
Exons	53..104		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82798	Strand	+
Start	788	End	6735
Name	OJ000209_20.0313.C21.o1.np	Method	AAT/NAP
Start	788	End	6735
GI	5917666	Score	140
Exons	788..810, 1740..2063, 5115..5767, 6714..6735		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82798	Strand	+
Start	788	End	6735
Name	OJ000209_20.0313.C21.o2.gs	Method	GENSCAN
Start	3493	End	6203
GI	none	Score	.52
Exons	3493..3632, 3746..4002, 5575..5739, 6136..6203		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82799	Strand	+
Start	8095	End	9442
Name	OJ000209_20.0313.C21.o3.gs	Method	GENSCAN
Start	8095	End	9442
GI	none	Score	.73
Exons	8095..8143, 8394..8554, 8993..9019, 9149..9171, 9436..9442		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82800	Strand	+
Start	24467	End	25196
Name	OJ000209_20.0313.C21.o6.gs	Method	GENSCAN
Start	24467	End	25196
GI	none	Score	.51
Exons	24467..24818, 25162..25196		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82801	Strand	+
Start	27231	End	32948
Name	OJ000209_20.0313.C21.o7.gs	Method	GENSCAN
Start	27231	End	32637

GI	none	Score	.69
Exons	27231..27408, 28263..28358, 28478..28640, 29240..29343, 29374..29472, 29818..29879, 30363..30449, 31513..31615, 32160..32260, 32381..32515, 32550..32637		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82801	Strand	+
Start	27231	End	32948
Name	OJ000209_20.0313.C21.o4.np	Method	AAT/NAP
Start	28265	End	32948
GI	5668816	Score	524
Exons	28265..28358, 28478..28616, 29363..29472, 29818..29877, 29961..30052, 30132..30267, 30363..30461, 31537..31615, 31694..31801, 32160..32260, 32381..32446, 32550..32637, 32926..32948		

GI Descrip. (AC007519) F16N3.15 [Arabidopsis thaliana]

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82801	Strand	+
Start	27231	End	32948
Name	OJ000209_20.0313.C21.o3.gp	Method	AAT/GAP
Start	29438	End	30250
GI	2312701	Score	529
Exons	29438..29472, 29818..29879, 29961..30052, 30132..30250		
GI Descrip.	5668816/gb AAD46042.1 AC007519_27 1.0e-30 (AC007519) F16N3.15 [Arabidopsis thaliana]		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82802	Strand	-
Start	946	End	2360
Name	OJ000209_20.0313.C21.o1.gs	Method	GENSCAN
Start	946	End	2360
GI	none	Score	.68
Exons	946..1749, 1785..2360		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82803	Strand	-
Start	2747	End	2889
Name	OJ000209_20.0313.C21.o1.gp	Method	AAT/GAP
Start	2747	End	2889
GI	LIB3431-027-P1-K1-D5	Score	234
Exons	2747..2889		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82804	Strand	-
Start	11465	End	14139
Name	OJ000209_20.0313.C21.o4.gs	Method	GENSCAN
Start	11465	End	14139
GI	none	Score	.58
Exons	11465..11474, 11540..11768, 12460..12917, 13004..14139		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82805	Strand	-
Start	16649	End	22057
Name	OJ000209_20.0313.C21.o5.gs	Method	GENSCAN

Start	16649	End	22030
GI	none	Score	.47
Exons	16649..17347, 17362..17923, 18944..19217, 19755..20313, 20755..20783, 20975..21185, 21671..22030		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82805	Strand	-
Start	16649	End	22057
Name	OJ000209_20.0313.C21.o2.gp	Method	AAT/GAP
Start	18700	End	19238
GI	35853_1.R1084	Score	951
Exons	18700..19238		
GI Descrip.	'3287693 1.0e-26 (AC003979) Similar to LIM17 gene product gb_1653769 from the genome of Synechocystis sp. gb_D90916. [Arabidopsis thaliana]'		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82805	Strand	-
Start	16649	End	22057
Name	OJ000209_20.0313.C21.o2.np	Method	AAT/NAP
Start	18925	End	22057
GI	7267646	Score	2046
Exons	18925..19217, 19755..20313, 20755..21185, 21671..22057		
GI Descrip.	(AL161515) neutral invertase like protein [Arabidopsis thaliana]		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o1.tm	Method	TBLASTX:Maize
Start	15129	End	20922
GI	none	Score	67
Exons	15129..15161, 15159..15245, 15168..15272, 15169..15273, 15275..15343, 18923..18979, 18931..18978, 18961..19215, 18967..19218, 18971..19219, 18977..19225, 19755..19904, 19755..19898, 19756..20313, 19756..20298, 19757..20314, 20205..20312, 20754..20921, 20755..20922, 20756..20914		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o3.tc	Method	TBLASTX:Cress
Start	15129	End	19225
GI	none	Score	97
Exons	15129..15272, 15133..15267, 15275..15343, 18931..19218, 18935..19219, 19032..19220, 19034..19225		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o2.ts	Method	TBLASTX:Soybean
Start	18970	End	20026
GI	none	Score	95
Exons	18970..19215, 19037..19213, 19755..19904, 19756..20025, 19758..20012, 19759..20025, 19922..20026		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-

Start	22389	End	32948
Name	OJ000209_20.0313.C21.o1.tc	Method	TBLASTX:Cress
Start	19762	End	20225
GI	none	Score	295
Exons	19762..19809, 19795..19872, 19877..20206, 19885..20208, 19913..20206, 19959..20207, 19971..20225		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o2.tw	Method	TBLASTX:Wheat
Start	20035	End	20324
GI	none	Score	238
Exons	20035..20298, 20036..20314, 20036..20314, 20145..20315, 20217..20324		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o1.ts	Method	TBLASTX:Soybean
Start	20042	End	21087
GI	none	Score	203
Exons	20042..20236, 20042..20188, 20044..20241, 20044..20235, 20233..20298, 20234..20314, 20243..20314, 20753..20917, 20755..20922, 20755..20922, 20756..20923, 20918..20986, 20922..21077, 20922..21086, 20923..21084, 20923..21087		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o1.tw	Method	TBLASTX:Wheat
Start	20745	End	21075
GI	none	Score	155
Exons	20745..20921, 20755..20922, 20755..20922, 20756..20923, 20910..21074, 20922..21074, 20923..21075, 20923..21075		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o2.tc	Method	TBLASTX:Cress
Start	20771	End	21123
GI	none	Score	132
Exons	20771..20914, 20773..20922, 20922..21122, 20923..21123, 20923..21123		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o3.tm	Method	TBLASTX:Maize
Start	20923	End	21188
GI	none	Score	268
Exons	20923..21186, 20923..21180, 20925..21188		

Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o3.ts	Method	TBLASTX:Soybean

Start	21090	End	21800
GI	none	Score	104
Exons	21090..21188, 21091..21186, 21668..21799, 21717..21800		
Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o4.tc	Method	TBLASTX:Cress
Start	21126	End	21998
GI	none	Score	75
Exons	21126..21188, 21668..21793, 21668..21799, 21720..21821, 21890..21958, 21891..21998		
Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o2.tm	Method	TBLASTX:Maize
Start	21674	End	22037
GI	none	Score	109
Exons	21674..21805, 21674..21802, 21806..21835, 21807..21836, 21833..21910, 21834..21908, 21911..22036, 21911..22030, 21933..22037		
Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o3.np	Method	AAT/NAP
Start	22389	End	32948
GI	5917666	Score	157
Exons	22389..22485, 24412..25090, 27295..27532, 27652..27826, 28505..28638, 32879..32948		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		
Seq. No.	40033	Seq. ID	OJ000209_20.0313.C21
Gene No.	82806	Strand	-
Start	22389	End	32948
Name	OJ000209_20.0313.C21.o4.tm	Method	TBLASTX:Maize
Start	30353	End	32280
GI	none	Score	95
Exons	30353..30448, 30353..30451, 30354..30452, 30372..30452, 31496..31582, 31512..31571, 31513..31587, 31698..31802, 31698..31802, 31699..31803, 32157..32252, 32161..32259, 32162..32263, 32164..32280		
Seq. No.	40034	Seq. ID	OJ000209_20.0313.C22
Gene No.	82807	Strand	+
Start	1	End	777
Name	OJ000209_20.0313.C22.o1.np	Method	AAT/NAP
Start	1	End	777
GI	5668816	Score	230
Exons	1..116, 646..777		
GI Descrip.	(AC007519) F16N3.15 [Arabidopsis thaliana]		
Seq. No.	40034	Seq. ID	OJ000209_20.0313.C22
Gene No.	82808	Strand	+
Start	2252	End	2650
Name	OJ000209_20.0313.C22.o1.tm	Method	TBLASTX:Maize

Start	48	End	768
GI	none	Score	105
Exons	48..119, 49..114, 646..768, 648..767		
Seq. No.	40034	Seq. ID	OJ000209_20.0313.C22
Gene No.	82808	Strand	+
Start	2252	End	2650
Name	OJ000209_20.0313.C22.o2.gs	Method	GENSCAN
Start	2252	End	2650
GI	none	Score	.47
Exons	2252..2650		
Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.np	Method	AAT/NAP
Start	835	End	2793
GI	6522545	Score	253
Exons	835..862, 2580..2793		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		
Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.gp	Method	AAT/GAP
Start	1627	End	2062
GI	3762664	Score	682
Exons	1627..2062		
Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.gs	Method	GENSCAN
Start	1931	End	2776
GI	none	Score	.97
Exons	1931..2776		
Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.tc	Method	TBLASTX:Cress
Start	2631	End	2783
GI	none	Score	157
Exons	2631..2783, 2633..2782		
Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.ts	Method	TBLASTX:Soybean
Start	2631	End	2783
GI	none	Score	189
Exons	2631..2783, 2633..2782		
Seq. No.	40035	Seq. ID	OJ000209_20.0313.C23
Gene No.	82809	Strand	-
Start	1931	End	2793
Name	OJ000209_20.0313.C23.o1.tm	Method	TBLASTX:Maize

Start 2634
 GI none
 Exons 2634..2768, 2636..2764

End 2768
 Score 158

Seq. No. 40036
 Gene No. 82810
 Start 79
 Name OJ000209_20.0313.C24.o1.gs
 Start 79
 GI none
 Exons 79..174, 1008..1152

Seq. ID OJ000209_20.0313.C24
 Strand -
 End 1152
 Method GENSCAN
 End 1152
 Score .4

Seq. No. 40037
 Gene No. 82811
 Start 582
 Name OJ000209_20.0313.C25.o1.gs
 Start 582
 GI none
 Exons 582..642, 675..784

Seq. ID OJ000209_20.0313.C25
 Strand +
 End 784
 Method GENSCAN
 End 784
 Score .74

Seq. No. 40038
 Gene No. 82812
 Start 375
 Name OJ000209_27.0309.C4.o1.np
 Start 375
 GI 7489646
 Exons 375..464, 557..700, 806..949, 1266..1343, 1478..1530, 1622..1656
 GI Descrip. leucine-rich repeat protein LRP - sorghum
 gi|1710124|gb|AAC49559.1| (U62279) leucine-rich
 repeat-containing extracellular glycoprotein; contains six
 N-glycosylation sites [NX(S/T)] [Sorghum bicolor]

Seq. ID OJ000209_27.0309.C4
 Strand +
 End 3268
 Method AAT/NAP
 End 1656
 Score 268

Seq. No. 40038
 Gene No. 82812
 Start 375
 Name OJ000209_27.0309.C4.o1.gs
 Start 1282
 GI none
 Exons 1282..1343, 1810..1894, 2774..3268

Seq. ID OJ000209_27.0309.C4
 Strand +
 End 3268
 Method GENSCAN
 End 3268
 Score .63

Seq. No. 40038
 Gene No. 82813
 Start 3904
 Name OJ000209_27.0309.C4.o1.tm
 Start 394
 GI none
 Exons 394..486, 537..701, 558..701, 576..701, 599..700, 807..920, 818..925, 819..956, 819..914, 819..950

Seq. ID OJ000209_27.0309.C4
 Strand -
 End 4320
 Method TBLASTX:Maize
 End 956
 Score 75

Seq. No. 40038
 Gene No. 82813
 Start 3904
 Name OJ000209_27.0309.C4.o1.tc
 Start 558
 GI none
 Exons 558..692, 561..665, 561..704, 561..692, 561..701, 561..695, 561..695, 566..682, 569..676, 576..677, 581..703, 795..950,

Seq. ID OJ000209_27.0309.C4
 Strand -
 End 4320
 Method TBLASTX:Cress
 End 971
 Score 89

810..941, 810..941, 810..950, 810..950, 810..968, 810..941,
810..971, 815..949, 819..935, 824..970

Seq. No.	40038	Seq. ID	OJ000209_27.0309.C4
Gene No.	82813	Strand	-
Start	3904	End	4320
Name	OJ000209_27.0309.C4.o2.gs	Method	GENSCAN
Start	3904	End	4320
GI	none	Score	.75
Exons	3904..4095, 4297..4320		

Seq. No.	40039	Seq. ID	OJ000209_27.0309.C5
Gene No.	82814	Strand	+
Start	1	End	1397
Name	OJ000209_27.0309.C5.o1.np	Method	AAT/NAP
Start	1	End	1397
GI	7489646	Score	378
Exons	1..120, 213..356, 461..604, 958..1035, 1134..1186, 1363..1397		
GI Descrip.	leucine-rich repeat protein LRP - sorghum gi 1710124 gb AAC49559.1 (U62279) leucine-rich repeat-containing extracellular glycoprotein; contains six N-glycosylation sites [NX(S/T)] [Sorghum bicolor]		

Seq. No.	40039	Seq. ID	OJ000209_27.0309.C5
Gene No.	82814	Strand	+
Start	1	End	1397
Name	OJ000209_27.0309.C5.o1.tm	Method	TBLASTX:Maize
Start	49	End	629
GI	none	Score	91
Exons	49..129, 50..142, 210..356, 214..354, 465..596, 498..629		

Seq. No.	40039	Seq. ID	OJ000209_27.0309.C5
Gene No.	82814	Strand	+
Start	1	End	1397
Name	OJ000209_27.0309.C5.o1.tw	Method	TBLASTX:Wheat
Start	50	End	605
GI	none	Score	71
Exons	50..142, 214..357, 214..348, 214..312, 429..605		

Seq. No.	40039	Seq. ID	OJ000209_27.0309.C5
Gene No.	82814	Strand	+
Start	1	End	1397
Name	OJ000209_27.0309.C5.o1.tc	Method	TBLASTX:Cress
Start	214	End	611
GI	none	Score	95
Exons	214..357, 214..333, 214..357, 214..333, 214..360, 217..360, 217..348, 217..348, 444..611, 465..596, 465..605, 465..605, 465..596		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82815	Strand	+
Start	1323	End	7171
Name	OJ000209_27.0309.C7.o1.gs	Method	GENSCAN
Start	1323	End	7171
GI	none	Score	.89
Exons	1323..1448, 1551..1616, 2430..2518, 2915..3060, 3145..3269, 3366..3459, 3546..3709, 3851..4012, 4085..4211, 4314..4480,		

4515..4709, 6564..6747, 7119..7171

Seq. No. 40040 Seq. ID OJ000209_27.0309.C7
Gene No. 82815 Strand +
Start 1323 End 7171
Name OJ000209_27.0309.C7.o1.np Method AAT/NAP
Start 1323 End 4889
GI 4995890 Score 1812
Exons 1323..1448, 1551..1616, 2430..2518, 2915..3060, 3145..3269,
3366..3459, 3546..3709, 3851..4012, 4085..4211, 4314..4480,
4602..4713, 4804..4889
GI Descrip. (AJ242659) serine palmitoyltransferase [Solanum tuberosum]

Seq. No. 40040 Seq. ID OJ000209_27.0309.C7
Gene No. 82815 Strand +
Start 1323 End 7171
Name OJ000209_27.0309.C7.o2.gp Method AAT/GAP
Start 4929 End 5183
GI 17209_1.R1084 Score 427
Exons 4929..5183
GI Descrip. '984755/emb|Z54153|OSCHINDPR 9.0e-37 O.sativa mRNA for
chilling-inducible protein'

Seq. No. 40040 Seq. ID OJ000209_27.0309.C7
Gene No. 82816 Strand +
Start 9438 End 10083
Name OJ000209_27.0309.C7.o3.gp Method AAT/GAP
Start 9438 End 10083
GI 58063_1.R1084 Score 1200
Exons 9438..10083
GI Descrip. '6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic
DNA, chromosome 6, clone:P0514G12'

Seq. No. 40040 Seq. ID OJ000209_27.0309.C7
Gene No. 82817 Strand -
Start 280 End 376
Name OJ000209_27.0309.C7.o1.gp Method AAT/GAP
Start 280 End 376
GI 5867_1.R1084 Score 127
Exons 280..376
GI Descrip. '464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING
ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN
CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir_S32674
ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis
thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating
enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639)
ubiquitin conjugating enzyme [Arabidopsis]

Seq. No. 40040 Seq. ID OJ000209_27.0309.C7
Gene No. 82818 Strand -
Start 9567 End 11266
Name OJ000209_27.0309.C7.o2.tc Method TBLASTX:Cress
Start 1265 End 3203
GI none Score 148
Exons 1265..1438, 1305..1448, 1548..1616, 1548..1616, 2427..2519,
2428..2517, 2913..3062, 2969..3064, 3144..3203

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o3.ts	Method	TBLASTX:Soybean
Start	1323	End	2462
GI	none	Score	158
Exons	1323..1448, 1334..1438, 1400..1450, 1548..1616, 1548..1616, 1550..1618, 2412..2462		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o5.tm	Method	TBLASTX:Maize
Start	1328	End	1616
GI	none	Score	141
Exons	1328..1444, 1329..1433, 1548..1616, 1548..1616		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o1.ts	Method	TBLASTX:Soybean
Start	2463	End	4165
GI	none	Score	95
Exons	2463..2519, 2913..3062, 2972..3064, 3144..3269, 3156..3248, 3179..3268, 3345..3458, 3362..3457, 3363..3458, 3541..3723, 3548..3709, 3552..3722, 3554..3724, 3844..4014, 3849..4013, 3851..4042, 4079..4165, 4084..4161		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o1.tm	Method	TBLASTX:Maize
Start	2958	End	3609
GI	none	Score	154
Exons	2958..3062, 2972..3064, 3143..3271, 3148..3270, 3354..3449, 3362..3448, 3363..3449, 3508..3606, 3545..3607, 3545..3598, 3546..3608, 3547..3609		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o3.tc	Method	TBLASTX:Cress
Start	3565	End	3985
GI	none	Score	209
Exons	3565..3708, 3566..3709, 3568..3711, 3609..3710, 3844..3984, 3850..3984, 3851..3985		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o3.tm	Method	TBLASTX:Maize
Start	3849	End	4212
GI	none	Score	168
Exons	3849..4013, 3853..4014, 3854..4042, 3868..4014, 4079..4210, 4082..4210, 4084..4212		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
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Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o1.tc	Method	TBLASTX:Cress
Start	4082	End	4477
GI	none	Score	162
Exons	4082..4213, 4114..4212, 4313..4477, 4328..4462, 4341..4463		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o2.tm	Method	TBLASTX:Maize
Start	4340	End	4938
GI	none	Score	246
Exons	4340..4486, 4340..4486, 4375..4497, 4599..4742, 4601..4711, 4791..4892, 4792..4893, 4800..4919, 4906..4938		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o4.tm	Method	TBLASTX:Maize
Start	9507	End	9758
GI	none	Score	347
Exons	9507..9692, 9521..9757, 9528..9758		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o2.ts	Method	TBLASTX:Soybean
Start	9527	End	9737
GI	none	Score	100
Exons	9527..9694, 9530..9736, 9531..9737		

Seq. No.	40040	Seq. ID	OJ000209_27.0309.C7
Gene No.	82818	Strand	-
Start	9567	End	11266
Name	OJ000209_27.0309.C7.o2.gs	Method	GENSCAN
Start	9567	End	11266
GI	none	Score	.56
Exons	9567..9714, 10977..11266		

Seq. No.	40041	Seq. ID	OJ000209_27.0309.C8
Gene No.	82819	Strand	+
Start	859	End	5373
Name	OJ000209_27.0309.C8.o1.gs	Method	GENSCAN
Start	859	End	5373
GI	none	Score	.59
Exons	859..925, 2089..2239, 2244..2383, 2869..2992, 3321..3376, 3908..4211, 4420..4628, 5252..5373		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82820	Strand	+
Start	680	End	1131
Name	OJ000209_27.0309.C9.o1.gs	Method	GENSCAN
Start	680	End	1131
GI	none	Score	.67
Exons	680..796, 994..1131		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o2.gs	Method	GENSCAN
Start	2460	End	7250
GI	none	Score	.6
Exons	2460..2695, 2795..3814, 3917..4108, 4110..4200, 4410..4545, 4618..4660, 5066..5635, 5721..5923, 6091..6497, 6621..6903, 6955..7250		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o1.np	Method	AAT/NAP
Start	5028	End	8289
GI	4416302	Score	3788
Exons	5028..6713, 6774..8289		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	5028	End	5706
GI	none	Score	200
Exons	5028..5321, 5034..5651, 5095..5628, 5391..5630, 5632..5706, 5633..5698		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o2.ts	Method	TBLASTX:Soybean
Start	5046	End	5688
GI	none	Score	92
Exons	5046..5279, 5289..5621, 5299..5478, 5632..5688		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o2.tc	Method	TBLASTX:Cress
Start	5049	End	5507
GI	none	Score	67
Exons	5049..5261, 5280..5414, 5418..5507		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o3.tw	Method	TBLASTX:Wheat
Start	5094	End	5549
GI	none	Score	62
Exons	5094..5270, 5095..5211, 5292..5549, 5293..5394		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o6.tm	Method	TBLASTX:Maize
Start	5707	End	5910

GI none
Exons 5707..5910, 5708..5890

Score 161

Seq. No. 40042
Gene No. 82821
Start 2460
Name OJ000209_27.0309.C9.o3.tm
Start 5949
GI none
Exons 5949..6350, 5949..6398, 5950..6396

Seq. ID OJ000209_27.0309.C9
Strand -
End 12043
Method TBLASTX:Maize
End 6398
Score 302

Seq. No. 40042
Gene No. 82821
Start 2460
Name OJ000209_27.0309.C9.o1.ts
Start 6058
GI 5509260
Exons 6058..6441, 6059..6286, 6060..6440, 6447..6665
GI Descrip. -

Seq. ID OJ000209_27.0309.C9
Strand -
End 12043
Method TBLASTX:Soybean
End 6665
Score 267

Seq. No. 40042
Gene No. 82821
Start 2460
Name OJ000209_27.0309.C9.o1.tw
Start 6066
GI none
Exons 6066..6416, 6072..6419, 6085..6417, 6447..6524

Seq. ID OJ000209_27.0309.C9
Strand -
End 12043
Method TBLASTX:Wheat
End 6524
Score 153

Seq. No. 40042
Gene No. 82821
Start 2460
Name OJ000209_27.0309.C9.o1.tc
Start 6177
GI none
Exons 6177..6458, 6196..6453

Seq. ID OJ000209_27.0309.C9
Strand -
End 12043
Method TBLASTX:Cress
End 6458
Score 85

Seq. No. 40042
Gene No. 82821
Start 2460
Name OJ000209_27.0309.C9.o5.tm
Start 6399
GI none
Exons 6399..6728, 6402..6692

Seq. ID OJ000209_27.0309.C9
Strand -
End 12043
Method TBLASTX:Maize
End 6728
Score 266

Seq. No. 40042
Gene No. 82821
Start 2460
Name OJ000209_27.0309.C9.o4.tw
Start 7012
GI none
Exons 7012..7200, 7017..7172, 7204..7278

Seq. ID OJ000209_27.0309.C9
Strand -
End 12043
Method TBLASTX:Wheat
End 7278
Score 119

Seq. No. 40042
Gene No. 82821
Start 2460
Name OJ000209_27.0309.C9.o2.tm
Start 7014

Seq. ID OJ000209_27.0309.C9
Strand -
End 12043
Method TBLASTX:Maize
End 7702

GI	none	Score	84
Exons	7014..7160, 7033..7290, 7035..7172, 7205..7630, 7210..7629, 7628..7702, 7630..7701		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o3.ts	Method	TBLASTX:Soybean
Start	7059	End	7521
GI	none	Score	223
Exons	7059..7151, 7210..7521		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o3.gs	Method	GENSCAN
Start	7351	End	9825
GI	none	Score	.74
Exons	7351..8091, 8200..8343, 8416..8681, 8729..9610, 9616..9825		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o2.tw	Method	TBLASTX:Wheat
Start	7366	End	7930
GI	none	Score	81
Exons	7366..7650, 7369..7551, 7582..7641, 7652..7678, 7652..7678, 7690..7929, 7709..7930		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o4.tm	Method	TBLASTX:Maize
Start	7702	End	8097
GI	none	Score	234
Exons	7702..7980, 7703..7981, 7755..7982, 7978..8097, 7982..8095		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o7.tm	Method	TBLASTX:Maize
Start	8161	End	8448
GI	none	Score	92
Exons	8161..8385, 8173..8379, 8174..8389, 8381..8443, 8395..8448, 8395..8445		

Seq. No.	40042	Seq. ID	OJ000209_27.0309.C9
Gene No.	82821	Strand	-
Start	2460	End	12043
Name	OJ000209_27.0309.C9.o2.np	Method	AAT/NAP
Start	8359	End	12043
GI	4416301	Score	81
Exons	8359..8492, 11991..12043		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	40043	Seq. ID	OJ000209_27.0309.C11
Gene No.	82822	Strand	+

Start	959	End	4592
Name	OJ000209_27.0309.C11.o1.gs	Method	GENSCAN
Start	959	End	2764
GI	none	Score	.62
Exons	959..1048, 1116..1212, 1298..1354, 1564..1650, 1807..1895, 2065..2094, 2627..2764		

Seq. No.	40043	Seq. ID	OJ000209_27.0309.C11
Gene No.	82822	Strand	+
Start	959	End	4592
Name	OJ000209_27.0309.C11.o1.gp	Method	AAT/GAP
Start	1156	End	1756
GI	426160	Score	684
Exons	1156..1214, 1298..1354, 1429..1497, 1564..1756		

Seq. No.	40043	Seq. ID	OJ000209_27.0309.C11
Gene No.	82822	Strand	+
Start	959	End	4592
Name	OJ000209_27.0309.C11.o2.gp	Method	AAT/GAP
Start	2130	End	4592
GI	2310498	Score	534
Exons	2130..2169, 4097..4236, 4341..4421, 4513..4592		

Seq. No.	40043	Seq. ID	OJ000209_27.0309.C11
Gene No.	82823	Strand	-
Start	4152	End	4706
Name	OJ000209_27.0309.C11.o2.gs	Method	GENSCAN
Start	4152	End	4706
GI	none	Score	.7
Exons	4152..4197, 4624..4706		

Seq. No.	40044	Seq. ID	OJ000209_27.0309.C12
Gene No.	82824	Strand	+
Start	78	End	8743
Name	OJ000209_27.0309.C12.o1.gs	Method	GENSCAN
Start	78	End	8743
GI	none	Score	.47
Exons	78..104, 1277..1428, 2008..2120, 2164..2386, 2448..2478, 3688..3840, 4315..4446, 5375..5489, 5569..5751, 5847..6073, 6452..6520, 6812..6893, 7620..7672, 8156..8529, 8613..8743		

Seq. No.	40044	Seq. ID	OJ000209_27.0309.C12
Gene No.	82824	Strand	+
Start	78	End	8743
Name	OJ000209_27.0309.C12.o2.tm	Method	TBLASTX:Maize
Start	2178	End	7063
GI	none	Score	100
Exons	2178..2360, 2187..2303, 6656..6889, 6872..7063		

Seq. No.	40044	Seq. ID	OJ000209_27.0309.C12
Gene No.	82824	Strand	+
Start	78	End	8743
Name	OJ000209_27.0309.C12.o1.np	Method	AAT/NAP
Start	4992	End	6573
GI	7140847	Score	312
Exons	4992..5237, 6526..6573		
GI Descrip.	(AF148654) maturase [Oryza glaberrima]		

Seq. No.	40044	Seq. ID	OJ000209_27.0309.C12
Gene No.	82824	Strand	+
Start	78	End	8743
Name	OJ000209_27.0309.C12.o1.tm	Method	TBLASTX:Maize
Start	5039	End	5232
GI	none	Score	242
Exons	5039..5224, 5040..5228, 5040..5225, 5041..5232		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82825	Strand	+
Start	5333	End	7997
Name	OJ000209_27.0309.C14.o1.gp	Method	AAT/GAP
Start	4512	End	5411
GI	3766905	Score	654
Exons	4512..4735, 5295..5411		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82825	Strand	+
Start	5333	End	7997
Name	OJ000209_27.0309.C14.o2.gs	Method	GENSCAN
Start	5333	End	7782
GI	none	Score	.62
Exons	5333..5511, 5780..5879, 5966..6101, 6334..6430, 6530..6596, 6710..6808, 6898..6987, 7081..7235, 7327..7434, 7617..7782		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82825	Strand	+
Start	5333	End	7997
Name	OJ000209_27.0309.C14.o2.gp	Method	AAT/GAP
Start	7157	End	7997
GI	3766906	Score	1026
Exons	7157..7235, 7327..7434, 7617..7997		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82826	Strand	-
Start	1143	End	2260
Name	OJ000209_27.0309.C14.o1.gs	Method	GENSCAN
Start	1143	End	2260
GI	none	Score	.43
Exons	1143..1186, 1936..2030, 2136..2260		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82827	Strand	
Start	5480	End	6049
Name	OJ000209_27.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	5480	End	6049
GI	none	Score	65
Exons	5480..5548, 5482..5547, 5661..5738, 5662..5739, 5811..5879, 5828..5896, 5944..6048, 5963..6049		

Seq. No.	40045	Seq. ID	OJ000209_27.0309.C14
Gene No.	82828	Strand	
Start	6707	End	7239
Name	OJ000209_27.0309.C14.o3.tm	Method	TBLASTX:Maize
Start	6707	End	7239
GI	none	Score	117

Exons 6707..6844, 6712..6810, 6930..6992, 6945..6992, 7078..7239, 7080..7148

Seq. No. 40045 Seq. ID OJ000209_27.0309.C14
Gene No. 82829 Strand -
Start 7358 End 7929
Name OJ000209_27.0309.C14.o2.tm Method TBLASTX:Maize
Start 7358 End 7929
GI none Score 83
Exons 7358..7432, 7363..7434, 7611..7766, 7612..7767, 7614..7730, 7618..7758, 7741..7803, 7750..7797, 7793..7831, 7803..7832, 7852..7929, 7854..7907

Seq. No. 40046 Seq. ID OJ000209_27.0309.C15
Gene No. 82830 Strand -
Start 371 End 593
Name OJ000209_27.0309.C15.o1.gs Method GENSCAN
Start 371 End 593
GI none Score .52
Exons 371..470, 540..593

Seq. No. 40047 Seq. ID OJ000209_27.0309.C16
Gene No. 82831 Strand -
Start 232 End 2729
Name OJ000209_27.0309.C16.o1.gs Method GENSCAN
Start 232 End 2729
GI none Score .83
Exons 232..470, 580..833, 910..1015, 1236..1435, 2652..2729

Seq. No. 40048 Seq. ID OJ000209_27.0309.C17
Gene No. 82832 Strand -
Start 1273 End 1648
Name OJ000209_27.0309.C17.o1.gp Method AAT/GAP
Start 782 End 1648
GI uC-osf1M202035c02b1 Score 704
Exons 782..854, 1270..1404, 1475..1648
GI Descrip. '5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'

Seq. No. 40048 Seq. ID OJ000209_27.0309.C17
Gene No. 82832 Strand -
Start 1273 End 1648
Name OJ000209_27.0309.C17.o1.gs Method GENSCAN
Start 1273 End 1594
GI none Score .93
Exons 1273..1404, 1475..1594

Seq. No. 40049 Seq. ID OJ000209_27.0309.C19
Gene No. 82833 Strand +
Start 1 End 2729
Name OJ000209_27.0309.C19.o1.np Method AAT/NAP
Start 1 End 2729
GI 7340702 Score 97
Exons 1..181, 2709..2729
GI Descrip. (AL162507) ATP-dependent RNA helicase-like protein [Arabidopsis thaliana]

Seq. No.	40049	Seq. ID	OJ000209_27.0309.C19
Gene No.	82833	Strand	+
Start	1	End	2729
Name	OJ000209_27.0309.C19.ol.gs	Method	GENSCAN
Start	77	End	2001
GI	none	Score	.52
Exons	77..158, 263..337, 373..468, 656..710, 1896..2001		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953
Name	OJ000209_27.0309.C21.ol.gs	Method	GENSCAN
Start	1642	End	4637
GI	none	Score	.41
Exons	1642..1651, 2337..2434, 2785..3203, 4514..4637		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953
Name	OJ000209_27.0309.C21.ol.np	Method	AAT/NAP
Start	2752	End	4953
GI	2352492	Score	714
Exons	2752..3203, 4514..4953		

GI Descrip. (AF005047) transport inhibitor response 1 [Arabidopsis thaliana]
gi|2352494|gb|AAB69176.1| (AF005048) transport inhibitor
response 1 [Arabidopsis thaliana]

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953
Name	OJ000209_27.0309.C21.ol.tc	Method	TBLASTX:Cress
Start	2755	End	4943
GI	none	Score	185
Exons	2755..2988, 3019..3204, 3055..3204, 4512..4667, 4615..4758, 4621..4761, 4725..4943, 4838..4936		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953
Name	OJ000209_27.0309.C21.ol.tm	Method	TBLASTX:Maize
Start	2766	End	3138
GI	none	Score	235
Exons	2766..2843, 2767..2988, 2907..2987, 2986..3132, 2987..3028, 3055..3138, 3057..3137		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953
Name	OJ000209_27.0309.C21.ol.ts	Method	TBLASTX:Soybean
Start	2827	End	4943
GI	none	Score	150
Exons	2827..2988, 2907..2987, 3052..3204, 3055..3204, 3057..3224, 4512..4943, 4571..4783, 4835..4936		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953

Name	OJ000209_27.0309.C21.o1.gp	Method	AAT/GAP
Start	3099	End	4847
GI	uC-osflM202082c04b1	Score	796
Exons	3099..3203, 4514..4847		
GI Descrip.	'2352492 3.0e-22 (AF005047) transport inhibitor response 1 [Arabidopsis thaliana] >gi_2352494 (AF005048) transport inhibitor response 1 [Arabidopsis thaliana]'		

Seq. No.	40050	Seq. ID	OJ000209_27.0309.C21
Gene No.	82834	Strand	+
Start	1642	End	4953
Name	OJ000209_27.0309.C21.o2.tm	Method	TBLASTX:Maize
Start	3139	End	4951
GI	none	Score	78
Exons	3139..3204, 4512..4574, 4580..4774, 4581..4946, 4838..4951		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82835	Strand	+
Start	1	End	2258
Name	OJ000209_27.0309.C22.o1.gp	Method	AAT/GAP
Start	1	End	1203
GI	uC-osflcyp028e01b1	Score	256
Exons	1..43, 1103..1203		
GI Descrip.	'2352492 7.0e-23 (AF005047) transport inhibitor response 1 [Arabidopsis thaliana] >gi_2352494 (AF005048) transport inhibitor response 1 [Arabidopsis thaliana]'		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82835	Strand	+
Start	1	End	2258
Name	OJ000209_27.0309.C22.o1.np	Method	AAT/NAP
Start	1	End	1927
GI	2352492	Score	719
Exons	1..43, 1103..1927		
GI Descrip.	(AF005047) transport inhibitor response 1 [Arabidopsis thaliana] gi 2352494 gb AAB69176.1 (AF005048) transport inhibitor response 1 [Arabidopsis thaliana]		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82835	Strand	+
Start	1	End	2258
Name	OJ000209_27.0309.C22.o1.gs	Method	GENSCAN
Start	1103	End	1876
GI	none	Score	.78
Exons	1103..1876		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82835	Strand	+
Start	1	End	2258
Name	OJ000209_27.0309.C22.o2.gp	Method	AAT/GAP
Start	1532	End	2258
GI	17257_1.R1084	Score	1403
Exons	1532..2258		
GI Descrip.	'2352492 4.0e-21 (AF005047) transport inhibitor response 1 [Arabidopsis thaliana] >gi_2352494 (AF005048) transport inhibitor response 1 [Arabidopsis thaliana]'		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82836	Strand	+
Start	6889	End	8834
Name	OJ000209_27.0309.C22.o1.tc	Method	TBLASTX:Cress
Start	2	End	1864
GI	none	Score	62
Exons	2..46, 150..176, 1103..1186, 1103..1216, 1211..1753, 1213..1749, 1223..1753, 1811..1864		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82836	Strand	+
Start	6889	End	8834
Name	OJ000209_27.0309.C22.o1.tm	Method	TBLASTX:Maize
Start	1103	End	1861
GI	none	Score	99
Exons	1103..1186, 1201..1857, 1202..1861		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82836	Strand	+
Start	6889	End	8834
Name	OJ000209_27.0309.C22.o1.ts	Method	TBLASTX:Soybean
Start	1103	End	1927
GI	none	Score	757
Exons	1103..1753, 1138..1743, 1811..1927		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82836	Strand	+
Start	6889	End	8834
Name	OJ000209_27.0309.C22.o2.gs	Method	GENSCAN
Start	6889	End	8575
GI	none	Score	.76
Exons	6889..6946, 7216..7457, 8315..8575		

Seq. No.	40051	Seq. ID	OJ000209_27.0309.C22
Gene No.	82836	Strand	+
Start	6889	End	8834
Name	OJ000209_27.0309.C22.o2.np	Method	AAT/NAP
Start	7157	End	8834
GI	6539588	Score	308
Exons	7157..7486, 8756..8834		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	40052	Seq. ID	OJ000209_27.0309.C23
Gene No.	82837	Strand	+
Start	1	End	12696
Name	OJ000209_27.0309.C23.o1.np	Method	AAT/NAP
Start	1	End	12693
GI	7485635	Score	333
Exons	1..47, 11443..12693		
GI Descrip.	hypothetical protein F17K2.25 - Arabidopsis thaliana gi 3386623 gb AAC28553.1 (AC004665) unknown protein [Arabidopsis thaliana]		

Seq. No.	40052	Seq. ID	OJ000209_27.0309.C23
Gene No.	82837	Strand	+
Start	1	End	12696
Name	OJ000209_27.0309.C23.o1.gs	Method	GENSCAN

Start 1686
 GI none
 Exons 1686..1797, 2531..2766

End 2766
 Score .54

Seq. No. 40052
 Gene No. 82837
 Start 1
 Name OJ000209_27.0309.C23.o1.gp
 Start 9099
 GI 5004566
 Exons 9099..9192
 GI Descrip. 5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20
 genomic sequence, complete sequence

Seq. ID OJ000209_27.0309.C23
 Strand +
 End 12696
 Method AAT/GAP
 End 9192
 Score 125

Seq. No. 40052
 Gene No. 82837
 Start 1
 Name OJ000209_27.0309.C23.o3.gs
 Start 11050
 GI none
 Exons 11050..12696

Seq. ID OJ000209_27.0309.C23
 Strand +
 End 12696
 Method GENSCAN
 End 12696
 Score .98

Seq. No. 40052
 Gene No. 82837
 Start 1
 Name OJ000209_27.0309.C23.o2.gp
 Start 11871
 GI 3060948
 Exons 11871..12250

Seq. ID OJ000209_27.0309.C23
 Strand +
 End 12696
 Method AAT/GAP
 End 12250
 Score 740

Seq. No. 40052
 Gene No. 82838
 Start 14336
 Name OJ000209_27.0309.C23.o1.tm
 Start 12423
 GI none
 Exons 12423..12491, 12424..12492, 12495..12638, 12496..12642

Seq. ID OJ000209_27.0309.C23
 Strand -
 End 16039
 Method TBLASTX:Maize
 End 12642
 Score 81

Seq. No. 40052
 Gene No. 82838
 Start 14336
 Name OJ000209_27.0309.C23.o1.ts
 Start 12430
 GI none
 Exons 12430..12492, 12504..12680, 12505..12690

Seq. ID OJ000209_27.0309.C23
 Strand -
 End 16039
 Method TBLASTX:Soybean
 End 12690
 Score 67

Seq. No. 40052
 Gene No. 82838
 Start 14336
 Name OJ000209_27.0309.C23.o4.gs
 Start 14336
 GI none
 Exons 14336..14616, 15892..16039

Seq. ID OJ000209_27.0309.C23
 Strand -
 End 16039
 Method GENSCAN
 End 16039
 Score .51

Seq. No. 40053
 Gene No. 82839
 Start 38

Seq. ID OJ000119_22.0331.C5
 Strand +
 End 723

Name	OJ000119_22.0331.C5.o1.gs	Method	GENSCAN
Start	38	End	701
GI	none	Score	.44
Exons	38..529, 621..701		
Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.o1.gp	Method	AAT/GAP
Start	128	End	509
GI	11703_6.R1084	Score	756
Exons	128..509		
GI Descrip.	'3319884/emb CAA11891 4.0e-09 (AJ224306) PRT1 [Arabidopsis thaliana] >gi_3319886_emb_CAA11892_ (AJ224307) PRT1 [Arabidopsis thaliana]'		
Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.o1.tm	Method	TBLASTX:Maize
Start	161	End	722
GI	none	Score	434
Exons	161..559, 212..274, 235..528, 338..544, 653..721, 654..722		
Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.o1.ts	Method	TBLASTX:Soybean
Start	199	End	722
GI	none	Score	172
Exons	199..438, 203..532, 235..510, 338..529, 636..722		
Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.o1.tw	Method	TBLASTX:Wheat
Start	203	End	703
GI	none	Score	117
Exons	203..298, 235..291, 299..529, 338..529, 618..701, 629..703		
Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.o1.np	Method	AAT/NAP
Start	206	End	723
GI	2190992	Score	440
Exons	206..529, 621..723		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [A. gyllops tauschii]		
Seq. No.	40053	Seq. ID	OJ000119_22.0331.C5
Gene No.	82839	Strand	+
Start	38	End	723
Name	OJ000119_22.0331.C5.o1.tc	Method	TBLASTX:Cress
Start	224	End	544
GI	none	Score	338
Exons	224..544, 355..525		

Seq. No.	40054	Seq. ID	OJ000119_22.0331.C6
Gene No.	82840	Strand	+
Start	1	End	1090
Name	OJ000119_22.0331.C6.o1.np	Method	AAT/NAP
Start	1	End	1090
GI	4680186	Score	198
Exons	1..28, 302..436, 910..1090		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40054	Seq. ID	OJ000119_22.0331.C6
Gene No.	82841	Strand	-
Start	124	End	1019
Name	OJ000119_22.0331.C6.o1.gp	Method	AAT/GAP
Start	124	End	634
GI	38782_1.R1084	Score	798
Exons	124..634		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	40054	Seq. ID	OJ000119_22.0331.C6
Gene No.	82841	Strand	-
Start	124	End	1019
Name	OJ000119_22.0331.C6.o1.gs	Method	GENSCAN
Start	425	End	1019
GI	none	Score	.8
Exons	425..498, 965..1019		

Seq. No.	40055	Seq. ID	OJ000119_22.0331.C8
Gene No.	82842	Strand	-
Start	1	End	714
Name	OJ000119_22.0331.C8.o1.np	Method	AAT/NAP
Start	1	End	714
GI	6983860	Score	564
Exons	1..714		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	40055	Seq. ID	OJ000119_22.0331.C8
Gene No.	82842	Strand	-
Start	1	End	714
Name	OJ000119_22.0331.C8.o1.gs	Method	GENSCAN
Start	77	End	623
GI	none	Score	.45
Exons	77..623		

Seq. No.	40055	Seq. ID	OJ000119_22.0331.C8
Gene No.	82842	Strand	-
Start	1	End	714
Name	OJ000119_22.0331.C8.o1.tw	Method	TBLASTX:Wheat
Start	306	End	657
GI	none	Score	94
Exons	306..656, 481..657		

Seq. No.	40055	Seq. ID	OJ000119_22.0331.C8
Gene No.	82842	Strand	-
Start	1	End	714
Name	OJ000119_22.0331.C8.o1.tm	Method	TBLASTX:Maize

Start 351
 GI none
 Exons 351..656, 526..642

End 656
 Score 86

Seq. No. 40056
 Gene No. 82843
 Start 88
 Name OJ000119_22.0331.C11.o1.gs
 Start 88
 GI none
 Exons 88..237, 343..440, 459..592

Seq. ID OJ000119_22.0331.C11
 Strand +
 End 716
 Method GENSCAN
 End 592
 Score .56

Seq. No. 40056
 Gene No. 82843
 Start 88
 Name OJ000119_22.0331.C11.o1.np
 Start 227
 GI 6002794
 Exons 227..716
 GI Descrip. (AF149813) unknown [Oryza sativa]

Seq. ID OJ000119_22.0331.C11
 Strand +
 End 716
 Method AAT/NAP
 End 716
 Score 704

Seq. No. 40057
 Gene No. 82844
 Start 243
 Name OJ000119_22.0331.C12.o1.np
 Start 243
 GI 5257279
 Exons 243..1827
 GI Descrip. (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]

Seq. ID OJ000119_22.0331.C12
 Strand +
 End 1827
 Method AAT/NAP
 End 1827
 Score 1646

Seq. No. 40057
 Gene No. 82844
 Start 243
 Name OJ000119_22.0331.C12.o3.tm
 Start 426
 GI none
 Exons 426..746, 470..535

Seq. ID OJ000119_22.0331.C12
 Strand +
 End 1827
 Method TBLASTX:Maize
 End 746
 Score 199

Seq. No. 40057
 Gene No. 82844
 Start 243
 Name OJ000119_22.0331.C12.o3.tw
 Start 429
 GI none
 Exons 429..650, 429..482, 473..583, 659..805, 663..827

Seq. ID OJ000119_22.0331.C12
 Strand +
 End 1827
 Method TBLASTX:Wheat
 End 827
 Score 166

Seq. No. 40057
 Gene No. 82844
 Start 243
 Name OJ000119_22.0331.C12.o1.tw
 Start 974
 GI none
 Exons 974..1273, 975..1457, 1089..1448

Seq. ID OJ000119_22.0331.C12
 Strand +
 End 1827
 Method TBLASTX:Wheat
 End 1457
 Score 502

Seq. No. 40057
 Gene No. 82844

Seq. ID OJ000119_22.0331.C12
 Strand +

Start	243	End	1827
Name	OJ000119_22.0331.C12.o2.tm	Method	TBLASTX:Maize
Start	992	End	1274
GI	none	Score	311
Exons	992..1204, 993..1274, 1083..1271		
Seq. No.	40057	Seq. ID	OJ000119_22.0331.C12
Gene No.	82844	Strand	+
Start	243	End	1827
Name	OJ000119_22.0331.C12.o1.tm	Method	TBLASTX:Maize
Start	1344	End	1823
GI	none	Score	163
Exons	1344..1523, 1509..1823		
Seq. No.	40057	Seq. ID	OJ000119_22.0331.C12
Gene No.	82844	Strand	+
Start	243	End	1827
Name	OJ000119_22.0331.C12.o1.ts	Method	TBLASTX:Soybean
Start	1398	End	1793
GI	none	Score	56
Exons	1398..1430, 1398..1427, 1434..1793, 1434..1742		
Seq. No.	40057	Seq. ID	OJ000119_22.0331.C12
Gene No.	82844	Strand	+
Start	243	End	1827
Name	OJ000119_22.0331.C12.o2.tw	Method	TBLASTX:Wheat
Start	1506	End	1827
GI	none	Score	386
Exons	1506..1826, 1525..1827, 1544..1825		
Seq. No.	40058	Seq. ID	OJ000119_22.0331.C14
Gene No.	82845	Strand	-
Start	220	End	412
Name	OJ000119_22.0331.C14.o1.np	Method	AAT/NAP
Start	220	End	412
GI	4680186	Score	190
Exons	220..412		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	40058	Seq. ID	OJ000119_22.0331.C14
Gene No.	82846	Strand	-
Start	337	End	424
Name	OJ000119_22.0331.C14.o1.gs	Method	GENSCAN
Start	337	End	424
GI	none	Score	.63
Exons	337..424		
Seq. No.	40059	Seq. ID	OJ000119_22.0331.C15
Gene No.	82847	Strand	-
Start	534	End	1133
Name	OJ000119_22.0331.C15.o1.gs	Method	GENSCAN
Start	534	End	1133
GI	none	Score	.88
Exons	534..711, 940..1133		
Seq. No.	40060	Seq. ID	OJ000119_22.0331.C16
Gene No.	82848	Strand	+

Start	1	End	939
Name	OJ000119_22.0331.C16.o1.np	Method	AAT/NAP
Start	1	End	939
GI	6063554	Score	95
Exons	1..137, 754..939		
GI Descrip.	(AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40060	Seq. ID	OJ000119_22.0331.C16
Gene No.	82848	Strand	+
Start	1	End	939
Name	OJ000119_22.0331.C16.o1.gs	Method	GENSCAN
Start	119	End	235
GI	none	Score	.51
Exons	119..235		

Seq. No.	40060	Seq. ID	OJ000119_22.0331.C16
Gene No.	82849	Strand	+
Start	1299	End	1470
Name	OJ000119_22.0331.C16.o1.gp	Method	AAT/GAP
Start	1299	End	1470
GI	LIB3433-026-P1-K1-C1	Score	246
Exons	1299..1470		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-44 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40060	Seq. ID	OJ000119_22.0331.C16
Gene No.	82850	Strand	-
Start	1	End	1982
Name	OJ000119_22.0331.C16.o2.np	Method	AAT/NAP
Start	1	End	1982
GI	6069653	Score	386
Exons	1..26, 1600..1982		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	40060	Seq. ID	OJ000119_22.0331.C16
Gene No.	82850	Strand	-
Start	1	End	1982
Name	OJ000119_22.0331.C16.o2.gs	Method	GENSCAN
Start	1671	End	1937
GI	none	Score	.64
Exons	1671..1937		

Seq. No.	40061	Seq. ID	OJ000119_22.0331.C17
Gene No.	82851	Strand	+
Start	1	End	282
Name	OJ000119_22.0331.C17.o1.gp	Method	AAT/GAP
Start	1	End	282
GI	4878407	Score	407
Exons	1..282		
GI Descrip.	6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	40061	Seq. ID	OJ000119_22.0331.C17
Gene No.	82852	Strand	-
Start	1	End	586

Name	OJ000119_22.0331.C17.o1.np	Method	AAT/NAP
Start	1	End	586
GI	4680186	Score	181
Exons	1..114, 430..586		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40062	Seq. ID	OJ000119_22.0331.C18
Gene No.	82853	Strand	+
Start	1	End	756
Name	OJ000119_22.0331.C18.o1.np	Method	AAT/NAP
Start	1	End	756
GI	3894385	Score	395
Exons	1..756		
GI Descrip.	(AF053994) Hcr2-0A [Lycopersicon esculentum]		

Seq. No.	40062	Seq. ID	OJ000119_22.0331.C18
Gene No.	82853	Strand	+
Start	1	End	756
Name	OJ000119_22.0331.C18.o1.ts	Method	TBLASTX:Soybean
Start	1	End	597
GI	none	Score	68
Exons	1..78, 3..221, 136..261, 136..237, 136..222, 138..236, 139..249, 139..261, 145..237, 301..444, 301..591, 313..441, 322..441, 324..440, 333..440, 466..597		

Seq. No.	40062	Seq. ID	OJ000119_22.0331.C18
Gene No.	82853	Strand	+
Start	1	End	756
Name	OJ000119_22.0331.C18.o1.tc	Method	TBLASTX:Cress
Start	55	End	738
GI	none	Score	100
Exons	55..252, 139..237, 310..441, 313..738, 319..441, 336..440		

Seq. No.	40062	Seq. ID	OJ000119_22.0331.C18
Gene No.	82853	Strand	+
Start	1	End	756
Name	OJ000119_22.0331.C18.o1.tm	Method	TBLASTX:Maize
Start	301	End	509
GI	none	Score	82
Exons	301..456, 304..507, 322..444, 325..429, 336..509		

Seq. No.	40063	Seq. ID	OJ000119_22.0331.C19
Gene No.	82854	Strand	+
Start	91	End	453
Name	OJ000119_22.0331.C19.o1.gs	Method	GENSCAN
Start	91	End	453
GI	none	Score	.91
Exons	91..171, 376..453		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.o1.gs	Method	GENSCAN
Start	1042	End	2091
GI	none	Score	.93
Exons	1042..1368, 1470..1848, 1988..2091		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.ol.np	Method	AAT/NAP
Start	1045	End	1835
GI	2190992	Score	727
Exons	1045..1368, 1470..1835		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.ol.tm	Method	TBLASTX:Maize
Start	1053	End	1811
GI	none	Score	372
Exons	1053..1364, 1054..1368, 1467..1811, 1475..1729, 1626..1811		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.ol.ts	Method	TBLASTX:Soybean
Start	1056	End	1808
GI	none	Score	243
Exons	1056..1277, 1057..1284, 1300..1368, 1305..1367, 1473..1808		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.ol.tc	Method	TBLASTX:Cress
Start	1060	End	1368
GI	none	Score	337
Exons	1060..1368, 1167..1367		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.ol.tw	Method	TBLASTX:Wheat
Start	1089	End	1673
GI	none	Score	161
Exons	1089..1250, 1089..1370, 1090..1371, 1460..1594, 1467..1673, 1560..1661		

Seq. No.	40064	Seq. ID	OJ000119_22.0331.C20
Gene No.	82855	Strand	+
Start	1042	End	2091
Name	OJ000119_22.0331.C20.o2.tc	Method	TBLASTX:Cress
Start	1473	End	1799
GI	none	Score	188
Exons	1473..1799		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.ol.gs	Method	GENSCAN
Start	623	End	18678
GI	none	Score	.56
Exons	623..735, 1209..1245, 2300..2363, 3007..3233, 3603..3735,		

4014..4162, 4614..4806, 8221..8397, 8797..8951, 10254..10310,
10531..10554, 11132..11201, 11734..11924, 11979..12204,
12393..12453, 12802..13781, 14158..14205, 15060..15180,
15363..15525, 15622..15803, 16017..16092, 16195..16352,
17349..17520, 17599..17709, 17979..18023, 18589..18678

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.o1.np	Method	AAT/NAP
Start	10281	End	13813
GI	7485067	Score	1162
Exons	10281..10310, 11132..11216, 11743..12389, 12441..13214, 13266..13813		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi 2244855 emb CAB10277.1 (Z97337) hypothetical protein [Arabidopsis thaliana] gi 7268245 emb CAB78541.1 (AL161540) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.o2.gp	Method	AAT/GAP
Start	11130	End	11815
GI	31452_1.R1084	Score	226
Exons	11130..11201, 11734..11815		
GI Descrip.	'2244855/emb CAB10277.1 5.0e-09 (Z97337) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.o3.gp	Method	AAT/GAP
Start	13084	End	13634
GI	22676_1.R1084	Score	1056
Exons	13084..13634		
GI Descrip.	'3152568 2.0e-48 (AC002986) Similar to hypothetical protein product gb_Z97337 from A. thaliana. EST gb_H76597 comes from this gene. [Arabidopsis thaliana]'		
Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.o2.np	Method	AAT/NAP
Start	13774	End	18074
GI	7296306	Score	752
Exons	13774..13804, 15382..15525, 15622..15803, 16017..16107, 16195..16352, 17349..17520, 17599..17709, 17979..18074		
GI Descrip.	(AE003591) CG5231 gene product [Drosophila melanogaster]		
Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82856	Strand	+
Start	623	End	18678
Name	OJ000119_22.0331.C21.o5.gp	Method	AAT/GAP
Start	17492	End	17692
GI	3106632	Score	217
Exons	17492..17520, 17599..17692		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82857	Strand	+
Start	26257	End	31298
Name	OJ000119_22.0331.C21.o3.np	Method	AAT/NAP
Start	26249	End	31295
GI	7435683	Score	2435
Exons	26249..26514, 26944..27093, 27544..27940, 28256..28351, 28430..28502, 28634..28920, 29009..29336, 29422..29692, 30282..30563, 30886..31295		
GI Descrip.	serine proteinase homolog F9F13.80 - Arabidopsis thaliana gi 5262166 emb CAB45809.1 (AL080253) putative serine proteinase [Arabidopsis thaliana] gi 7268839 emb CAB79043.1 (AL161553) putative serine proteinase [Arabidopsis thaliana]		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82857	Strand	+
Start	26257	End	31298
Name	OJ000119_22.0331.C21.o3.gs	Method	GENSCAN
Start	26257	End	31298
GI	none	Score	.81
Exons	26257..26591, 26940..27093, 27738..27940, 28256..28351, 28430..28502, 28634..28916, 29005..29336, 29422..29692, 30282..30563, 30886..31298		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82857	Strand	+
Start	26257	End	31298
Name	OJ000119_22.0331.C21.o6.gp	Method	AAT/GAP
Start	28622	End	29113
GI	568481	Score	737
Exons	28622..28916, 29005..29113		
GI Descrip.	4587516/gb AAD25747.1 AC007060_5 5.0e-46 (AC007060) Strong similarity to gb_U80583 proteinase TMP from Lycopersicon esculentum and is a member of the PF_00082 subtilase family. [Arabidopsis thaliana]		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82858	Strand	+
Start	31307	End	31573
Name	OJ000119_22.0331.C21.o7.gp	Method	AAT/GAP
Start	31307	End	31573
GI	3768021	Score	441
Exons	31307..31573		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82859	Strand	+
Start	32587	End	35996
Name	OJ000119_22.0331.C21.o4.gs	Method	GENSCAN
Start	32587	End	35996
GI	none	Score	.54
Exons	32587..32669, 32703..32901, 33332..33396, 33472..33618, 33661..33768, 33965..34081, 34487..34627, 34761..34943, 35122..35239, 35581..35769, 35834..35996		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82860	Strand	-

Start	2227	End	2498
Name	OJ000119_22.0331.C21.o1.gp	Method	AAT/GAP
Start	2227	End	2498
GI	none	Score	520
Exons	2227..2498		
Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o7.tm	Method	TBLASTX:Maize
Start	1	End	1275
GI	none	Score	90
Exons	1..141, 2..142, 5..154, 6..155, 158..220, 617..736, 622..750, 1207..1275		
Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o4.tm	Method	TBLASTX:Maize
Start	12366	End	12616
GI	none	Score	89
Exons	12366..12494, 12368..12616, 12381..12611, 12544..12615		
Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o1.ts	Method	TBLASTX:Soybean
Start	12521	End	13042
GI	none	Score	335
Exons	12521..12838, 12522..12644, 12539..12829, 12544..12831, 12747..12845, 12833..13042, 12875..13033		
Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o1.tm	Method	TBLASTX:Maize
Start	12617	End	14062
GI	none	Score	172
Exons	12617..12745, 12626..12742, 12750..13262, 12751..13827, 12752..13828, 13895..13975, 13898..13975, 13983..14045, 13984..14043, 14045..14062		
Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o1.tc	Method	TBLASTX:Cress
Start	12623	End	13267
GI	none	Score	234
Exons	12623..12838, 12730..12831, 12845..13090, 12871..13089, 13108..13266, 13109..13267		
Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o3.ts	Method	TBLASTX:Soybean
Start	13208	End	13465
GI	none	Score	316

Exons 13208..13465, 13209..13427, 13216..13446

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o1.tw	Method	TBLASTX:Wheat
Start	13582	End	13798
GI	none	Score	219
Exons	13582..13785, 13583..13798		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82861	Strand	-
Start	14073	End	14523
Name	OJ000119_22.0331.C21.o4.gp	Method	AAT/GAP
Start	14073	End	14523
GI	uC-osflcyp066b11a1	Score	894
Exons	14073..14523		
GI Descrip.	'3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82862	Strand	-
Start	15378	End	17721
Name	OJ000119_22.0331.C21.o3.tm	Method	TBLASTX:Maize
Start	15378	End	16109
GI	none	Score	235
Exons	15378..15524, 15379..15525, 15619..15801, 15620..15802, 15676..15804, 15686..15802, 16003..16107, 16003..16107, 16016..16108, 16056..16109		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82862	Strand	-
Start	15378	End	17721
Name	OJ000119_22.0331.C21.o2.tc	Method	TBLASTX:Cress
Start	15403	End	17721
GI	none	Score	126
Exons	15403..15525, 15667..15804, 15676..15738, 15998..16084, 16003..16107, 16194..16349, 16198..16377, 17394..17513, 17398..17526, 17593..17721, 17619..17714		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82862	Strand	-
Start	15378	End	17721
Name	OJ000119_22.0331.C21.o5.ts	Method	TBLASTX:Soybean
Start	16048	End	17721
GI	none	Score	73
Exons	16048..16098, 16048..16098, 16189..16377, 16194..16349, 17394..17513, 17398..17526, 17593..17721		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	-
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o4.ts	Method	TBLASTX:Soybean
Start	27547	End	28711
GI	none	Score	163
Exons	27547..27738, 27588..27746, 27756..27941, 27788..27940, 28254..28379, 28257..28346, 28259..28348, 28431..28508,		

28601..28711

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o3.tc	Method	TBLASTX:Cress
Start	27691	End	30559
GI	none	Score	45
Exons	27691..27738, 27768..27863, 28254..28352, 28718..28912, 29605..29661, 30274..30438, 30290..30445, 30473..30559		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o5.tm	Method	TBLASTX:Maize
Start	27888	End	28702
GI	none	Score	88
Exons	27888..27941, 28254..28349, 28258..28353, 28258..28350, 28259..28351, 28431..28502, 28431..28502, 28432..28503, 28600..28701, 28601..28702		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o6.tm	Method	TBLASTX:Maize
Start	28702	End	29243
GI	none	Score	229
Exons	28702..28839, 28703..28915, 29070..29243		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o2.tm	Method	TBLASTX:Maize
Start	29262	End	30929
GI	none	Score	126
Exons	29262..29339, 29267..29344, 29271..29339, 29416..29694, 29419..29694, 29592..29696, 30254..30376, 30259..30555, 30281..30514, 30283..30516, 30496..30591, 30497..30565, 30888..30929		

Seq. No.	40065	Seq. ID	OJ000119_22.0331.C21
Gene No.	82863	Strand	
Start	27547	End	30929
Name	OJ000119_22.0331.C21.o2.ts	Method	TBLASTX:Soybean
Start	29454	End	30926
GI	none	Score	105
Exons	29454..29552, 29457..29669, 29458..29694, 29458..29697, 30265..30525, 30277..30561, 30278..30562, 30882..30926		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82864	Strand	+
Start	1	End	2422
Name	OJ000119_22.0331.C22.o1.np	Method	AAT/NAP
Start	1	End	2419
GI	6572076	Score	2747
Exons	1..2419		
GI Descrip.	(AL133452) receptor-protein kinase-like protein [Arabidopsis		

thaliana]

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82864	Strand	+
Start	1	End	2422
Name	OJ000119_22.0331.C22.o1.gs	Method	GENSCAN
Start	98	End	2422
GI	none	Score	.46
Exons	98..1943, 2084..2422		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o2.ts	Method	TBLASTX:Soybean
Start	2	End	844
GI	none	Score	165
Exons	2..112, 3..158, 153..263, 309..356, 312..350, 399..524, 434..523, 606..842, 638..844		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o4.tc	Method	TBLASTX:Cress
Start	2	End	344
GI	none	Score	182
Exons	2..112, 3..161, 159..344, 179..262		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o4.tm	Method	TBLASTX:Maize
Start	62	End	395
GI	none	Score	70
Exons	62..112, 63..137, 161..262, 162..395, 318..365		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o3.tm	Method	TBLASTX:Maize
Start	425	End	752
GI	none	Score	357
Exons	425..556, 426..752, 432..578, 645..749		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o2.tc	Method	TBLASTX:Cress
Start	561	End	1064
GI	none	Score	367
Exons	561..860, 638..856, 645..860, 896..1042, 900..1064		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o2.tm	Method	TBLASTX:Maize
Start	753	End	1085
GI	none	Score	138

Exons 753..857, 753..842, 755..856, 857..1084, 858..1085

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o1.tm	Method	TBLASTX:Maize
Start	1085	End	2642
GI	none	Score	66
Exons	1085..1144, 1086..1154, 1145..1186, 1187..2056, 1189..1551, 1194..2057, 1771..2070, 1934..2071, 2022..2297, 2024..2431, 2029..2427, 2517..2642, 2520..2549, 2597..2635		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o1.ts	Method	TBLASTX:Soybean
Start	1166	End	2422
GI	none	Score	1396
Exons	1166..2041, 1167..2057, 1939..2070, 2024..2218, 2029..2217, 2133..2240, 2143..2223, 2323..2418, 2333..2422		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o1.tc	Method	TBLASTX:Cress
Start	1338	End	1894
GI	none	Score	832
Exons	1338..1883, 1338..1859, 1340..1894		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o1.tw	Method	TBLASTX:Wheat
Start	1374	End	1798
GI	none	Score	715
Exons	1374..1796, 1374..1796, 1376..1798, 1442..1798		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o2.tw	Method	TBLASTX:Wheat
Start	1821	End	2191
GI	none	Score	156
Exons	1821..2006, 1821..1970, 1826..1990, 2045..2191		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525
Name	OJ000119_22.0331.C22.o3.tc	Method	TBLASTX:Cress
Start	1895	End	2422
GI	none	Score	236
Exons	1895..2071, 1896..2057, 1958..2239, 2029..2229, 2326..2418, 2333..2422		

Seq. No.	40066	Seq. ID	OJ000119_22.0331.C22
Gene No.	82865	Strand	-
Start	2964	End	3525

Name	OJ000119_22.0331.C22.o2.gs	Method	GENSCAN
Start	2964	End	3525
GI	none	Score	.7
Exons	2964..3091, 3467..3525		
Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82866	Strand	+
Start	3418	End	3547
Name	OJ000119_22.0331.C23.o2.np	Method	AAT/NAP
Start	3418	End	3547
GI	6721543	Score	82
Exons	3418..3547		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82867	Strand	+
Start	6231	End	6369
Name	OJ000119_22.0331.C23.o5.gp	Method	AAT/GAP
Start	6231	End	6369
GI	7406_1.R1084	Score	184
Exons	6231..6369		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o1.np	Method	AAT/NAP
Start	1	End	4222
GI	3128206	Score	834
Exons	1..18, 484..746, 1118..1230, 2086..2362, 2393..2668, 4202..4222		
GI Descrip.	(AC004077) unknown protein [Arabidopsis thaliana]		
Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o1.gs	Method	GENSCAN
Start	419	End	2961
GI	none	Score	.76
Exons	419..746, 1118..1230, 2117..2788, 2911..2961		
Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o3.tm	Method	TBLASTX:Maize
Start	483	End	625
GI	none	Score	164
Exons	483..593, 484..624, 485..622, 485..625		
Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o3.ts	Method	TBLASTX:Soybean
Start	483	End	613
GI	none	Score	95
Exons	483..593, 485..613		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o1.gp	Method	AAT/GAP
Start	484	End	704
GI	699654	Score	422
Exons	484..704		
GI Descrip.	3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o1.tm	Method	TBLASTX:Maize
Start	695	End	2488
GI	none	Score	85
Exons	695..748, 695..754, 696..764, 1114..1227, 1115..1231, 1117..1230, 2114..2329, 2114..2446, 2353..2412, 2414..2488, 2447..2482		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o1.ts	Method	TBLASTX:Soybean
Start	1114	End	2356
GI	none	Score	64
Exons	1114..1227, 1175..1231, 2114..2185, 2115..2168, 2144..2308, 2165..2356, 2181..2312		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o2.gp	Method	AAT/GAP
Start	2156	End	2336
GI	LIB3431-056-P1-K1-H6	Score	325
Exons	2156..2336		
GI Descrip.	'4490313/emb CAB38804.1 2.0e-13 (AL035678) putative protein [Arabidopsis thaliana]'		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o2.ts	Method	TBLASTX:Soybean
Start	2555	End	2698
GI	none	Score	147
Exons	2555..2698, 2556..2666		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o3.gp	Method	AAT/GAP
Start	3781	End	4234
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	3781..4234		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o2.gs	Method	GENSCAN
Start	4059	End	5792
GI	none	Score	.48
Exons	4059..4219, 4517..4976, 5142..5792		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o4.gp	Method	AAT/GAP
Start	4313	End	4735
GI	5701669	Score	764
Exons	4313..4735		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o3.np	Method	AAT/NAP
Start	4339	End	5792
GI	7228442	Score	2467
Exons	4339..5792		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o4.np	Method	AAT/NAP
Start	4339	End	5792
GI	7228442	Score	2470
Exons	4339..5792		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	40067	Seq. ID	OJ000119_22.0331.C23
Gene No.	82868	Strand	-
Start	1	End	5792
Name	OJ000119_22.0331.C23.o2.tm	Method	TBLASTX:Maize
Start	4341	End	4778
GI	none	Score	151
Exons	4341..4616, 4378..4599, 4650..4778, 4672..4770		

Seq. No.	40068	Seq. ID	OJ000119_22.0331.C24
Gene No.	82869	Strand	+
Start	217	End	1041
Name	OJ000119_22.0331.C24.o1.np	Method	AAT/NAP
Start	217	End	1041
GI	7339719	Score	64
Exons	217..312, 966..1041		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	40068	Seq. ID	OJ000119_22.0331.C24
Gene No.	82870	Strand	-
Start	605	End	1355
Name	OJ000119_22.0331.C24.o2.np	Method	AAT/NAP
Start	605	End	1355
GI	7106514	Score	72
Exons	605..680, 1223..1355		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	40069	Seq. ID	OJ000119_22.0331.C25
Gene No.	82871	Strand	+
Start	374	End	836
Name	OJ000119_22.0331.C25.o1.gs	Method	GENSCAN
Start	374	End	836
GI	none	Score	.57
Exons	374..466, 717..836		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.gs	Method	GENSCAN
Start	629	End	1421
GI	none	Score	.8
Exons	629..959, 1043..1221, 1227..1421		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.np	Method	AAT/NAP
Start	632	End	1406
GI	2190992	Score	668
Exons	632..958, 1052..1406		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.ts	Method	TBLASTX:Soybean
Start	635	End	1167
GI	none	Score	374
Exons	635..949, 635..937, 1078..1167		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.tw	Method	TBLASTX:Wheat
Start	635	End	958
GI	none	Score	422
Exons	635..958, 635..955, 673..957		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.tm	Method	TBLASTX:Maize
Start	638	End	1396
GI	none	Score	447

Exons 638..952, 638..865, 673..954, 1069..1155, 1153..1302,
1159..1290, 1283..1366, 1284..1361, 1289..1396, 1291..1395

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o1.tc	Method	TBLASTX:Cress
Start	641	End	952
GI	none	Score	319
Exons	641..865, 647..952, 781..951		

Seq. No.	40070	Seq. ID	OJ000119_22.0331.C26
Gene No.	82872	Strand	+
Start	629	End	1421
Name	OJ000119_22.0331.C26.o2.tw	Method	TBLASTX:Wheat
Start	1075	End	1353
GI	none	Score	199
Exons	1075..1299, 1153..1302, 1282..1353, 1299..1349		

Seq. No.	40071	Seq. ID	OJ000119_22.0331.C27
Gene No.	82873	Strand	
Start	710	End	989
Name	OJ000119_22.0331.C27.o1.tm	Method	TBLASTX:Maize
Start	710	End	989
GI	none	Score	96
Exons	710..982, 861..989		

Seq. No.	40071	Seq. ID	OJ000119_22.0331.C27
Gene No.	82873	Strand	
Start	710	End	989
Name	OJ000119_22.0331.C27.o1.tw	Method	TBLASTX:Wheat
Start	791	End	980
GI	none	Score	73
Exons	791..976, 834..980, 861..980		

Seq. No.	40072	Seq. ID	OJ000119_22.0331.C29
Gene No.	82874	Strand	+
Start	1	End	1505
Name	OJ000119_22.0331.C29.o1.np	Method	AAT/NAP
Start	1	End	1505
GI	4680186	Score	136
Exons	1..127, 767..880, 1466..1505		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40072	Seq. ID	OJ000119_22.0331.C29
Gene No.	82875	Strand	-
Start	1488	End	1615
Name	OJ000119_22.0331.C29.o2.gs	Method	GENSCAN
Start	1488	End	1615
GI	none	Score	.53
Exons	1488..1615		

Seq. No.	40073	Seq. ID	OJ000119_22.0331.C33
Gene No.	82876	Strand	+
Start	634	End	1213
Name	OJ000119_22.0331.C33.o1.gs	Method	GENSCAN
Start	634	End	816

GI	none	Score	.42
Exons	634..816		
Seq. No.	40073	Seq. ID	OJ000119_22.0331.C33
Gene No.	82876	Strand	+
Start	634	End	1213
Name	OJ000119_22.0331.C33.o2.np	Method	AAT/NAP
Start	634	End	1213
GI	7106516	Score	150
Exons	634..792, 1194..1213		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		
Seq. No.	40073	Seq. ID	OJ000119_22.0331.C33
Gene No.	82877	Strand	-
Start	1	End	1213
Name	OJ000119_22.0331.C33.o1.np	Method	AAT/NAP
Start	1	End	1213
GI	7228450	Score	107
Exons	1..167, 301..388, 1151..1213		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		
Seq. No.	40074	Seq. ID	OJ000119_22.0331.C35
Gene No.	82878	Strand	+
Start	243	End	624
Name	OJ000119_22.0331.C35.o1.gp	Method	AAT/GAP
Start	243	End	624
GI	uC-osflcyp033a04b1	Score	651
Exons	243..624		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	40074	Seq. ID	OJ000119_22.0331.C35
Gene No.	82879	Strand	-
Start	173	End	1214
Name	OJ000119_22.0331.C35.o1.gs	Method	GENSCAN
Start	173	End	826
GI	none	Score	.49
Exons	173..285, 473..526, 634..826		
Seq. No.	40074	Seq. ID	OJ000119_22.0331.C35
Gene No.	82879	Strand	-
Start	173	End	1214
Name	OJ000119_22.0331.C35.o1.np	Method	AAT/NAP
Start	176	End	1214
GI	4680186	Score	320
Exons	176..376, 1195..1214		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	40074	Seq. ID	OJ000119_22.0331.C35
Gene No.	82879	Strand	-
Start	173	End	1214
Name	OJ000119_22.0331.C35.o2.np	Method	AAT/NAP
Start	473	End	526
GI	5852180	Score	53
Exons	473..526		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82880	Strand	+
Start	1	End	2064
Name	OJ000119_22.0331.C36.o1.np	Method	AAT/NAP
Start	1	End	1660
GI	6983859	Score	554
Exons	1..358, 1635..1660		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82880	Strand	+
Start	1	End	2064
Name	OJ000119_22.0331.C36.o1.gs	Method	GENSCAN
Start	61	End	393
GI	none	Score	.77
Exons	61..393		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82880	Strand	+
Start	1	End	2064
Name	OJ000119_22.0331.C36.o3.np	Method	AAT/NAP
Start	295	End	2064
GI	6069659	Score	107
Exons	295..318, 1781..2064		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82880	Strand	+
Start	1	End	2064
Name	OJ000119_22.0331.C36.o2.np	Method	AAT/NAP
Start	1151	End	2064
GI	6907088	Score	456
Exons	1151..1288, 1465..1702, 2040..2064		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82881	Strand	-
Start	625	End	1219
Name	OJ000119_22.0331.C36.o1.tm	Method	TBLASTX:Maize
Start	1	End	360
GI	none	Score	382
Exons	1..360, 3..170, 185..226, 255..335		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82881	Strand	-
Start	625	End	1219
Name	OJ000119_22.0331.C36.o1.tw	Method	TBLASTX:Wheat
Start	1	End	315
GI	none	Score	322
Exons	1..315, 3..170		

Seq. No.	40075	Seq. ID	OJ000119_22.0331.C36
Gene No.	82881	Strand	-
Start	625	End	1219
Name	OJ000119_22.0331.C36.o2.gs	Method	GENSCAN
Start	625	End	1219

GI	none	Score	.83
Exons	625..698, 1165..1219		
Seq. No.	40076	Seq. ID	OJ000119_22.0331.C42
Gene No.	82882	Strand	-
Start	699	End	1203
Name	OJ000119_22.0331.C42.o1.gs	Method	GENSCAN
Start	699	End	1203
GI	none	Score	.92
Exons	699..943, 1038..1203		
Seq. No.	40076	Seq. ID	OJ000119_22.0331.C42
Gene No.	82883	Strand	-
Start	1729	End	1856
Name	OJ000119_22.0331.C42.o1.tm	Method	TBLASTX:Maize
Start	348	End	941
GI	none	Score	191
Exons	348..446, 747..941		
Seq. No.	40076	Seq. ID	OJ000119_22.0331.C42
Gene No.	82883	Strand	-
Start	1729	End	1856
Name	OJ000119_22.0331.C42.o2.np	Method	AAT/NAP
Start	1729	End	1856
GI	7523512	Score	125
Exons	1729..1856		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	40077	Seq. ID	OJ000119_22.0331.C43
Gene No.	82884	Strand	+
Start	1	End	5905
Name	OJ000119_22.0331.C43.o1.np	Method	AAT/NAP
Start	1	End	715
GI	5042454	Score	211
Exons	1..21, 247..421, 662..715		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	40077	Seq. ID	OJ000119_22.0331.C43
Gene No.	82884	Strand	+
Start	1	End	5905
Name	OJ000119_22.0331.C43.o1.gs	Method	GENSCAN
Start	335	End	5176
GI	none	Score	.8
Exons	335..421, 647..832, 2768..2878, 3803..3907, 4730..5176		
Seq. No.	40077	Seq. ID	OJ000119_22.0331.C43
Gene No.	82884	Strand	+
Start	1	End	5905
Name	OJ000119_22.0331.C43.o2.np	Method	AAT/NAP
Start	4415	End	5905
GI	6983857	Score	1262
Exons	4415..4531, 4595..5156, 5326..5786, 5827..5905		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		
Seq. No.	40077	Seq. ID	OJ000119_22.0331.C43
Gene No.	82884	Strand	+
Start	1	End	5905

Name	OJ000119_22.0331.C43.o2.gs	Method	GENSCAN
Start	5761	End	5850
GI	none	Score	.68
Exons	5761..5850		
Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o1.np	Method	AAT/NAP
Start	1	End	929
GI	100484	Score	772
Exons	1..929		
GI Descrip.	hypothetical protein - garden snapdragon		
Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o1.ts	Method	TBLASTX:Soybean
Start	32	End	274
GI	none	Score	187
Exons	32..274, 34..216		
Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o1.gs	Method	GENSCAN
Start	41	End	898
GI	none	Score	.92
Exons	41..898		
Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o2.tm	Method	TBLASTX:Maize
Start	335	End	549
GI	none	Score	214
Exons	335..547, 358..549		
Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o1.tm	Method	TBLASTX:Maize
Start	584	End	892
GI	none	Score	249
Exons	584..892, 629..769, 631..873		
Seq. No.	40078	Seq. ID	OJ000119_22.0331.C45
Gene No.	82885	Strand	+
Start	1	End	929
Name	OJ000119_22.0331.C45.o1.tw	Method	TBLASTX:Wheat
Start	680	End	892
GI	none	Score	170
Exons	680..892		
Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82886	Strand	+
Start	20	End	304

Name	OJ000119_22.0331.C47.o1.gs	Method	GENSCAN
Start	20	End	304
GI	none	Score	.93
Exons	20..137, 171..304		

Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82887	Strand	-
Start	1443	End	3442
Name	OJ000119_22.0331.C47.o2.gs	Method	GENSCAN
Start	1443	End	3442
GI	none	Score	.87
Exons	1443..2533, 2588..2671, 3112..3226, 3344..3442		

Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82888	Strand	-
Start	3356	End	8875
Name	OJ000119_22.0331.C47.o2.np	Method	AAT/NAP
Start	3356	End	5013
GI	7228438	Score	169
Exons	3356..3380, 4631..5013		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82888	Strand	-
Start	3356	End	8875
Name	OJ000119_22.0331.C47.o4.np	Method	AAT/NAP
Start	3788	End	8875
GI	5441880	Score	413
Exons	3788..3825, 6036..6369, 6478..6617, 8796..8875		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82888	Strand	-
Start	3356	End	8875
Name	OJ000119_22.0331.C47.o3.gs	Method	GENSCAN
Start	3814	End	6629
GI	none	Score	.74
Exons	3814..3992, 4404..4545, 4631..4951, 5031..5085, 5661..5949, 6036..6224, 6248..6402, 6478..6629		

Seq. No.	40079	Seq. ID	OJ000119_22.0331.C47
Gene No.	82888	Strand	-
Start	3356	End	8875
Name	OJ000119_22.0331.C47.o3.np	Method	AAT/NAP
Start	6032	End	8875
GI	5441880	Score	410
Exons	6032..6369, 6478..6617, 8796..8875		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	40080	Seq. ID	OJ000119_22.0331.C48
Gene No.	82889	Strand	-

Start	1	End	727
Name	OJ000119_22.0331.C48.o1.np	Method	AAT/NAP
Start	1	End	727
GI	5732031	Score	327
Exons	1..611, 692..727		
GI Descrip.	(AF147260) No definition line found [Arabidopsis thaliana]		

Seq. No.	40080	Seq. ID	OJ000119_22.0331.C48
Gene No.	82889	Strand	-
Start	1	End	727
Name	OJ000119_22.0331.C48.o1.tm	Method	TBLASTX:Maize
Start	341	End	630
GI	none	Score	56
Exons	341..496, 341..475, 342..626, 349..630		

Seq. No.	40081	Seq. ID	OJ000119_22.0331.C50
Gene No.	82890	Strand	+
Start	242	End	1068
Name	OJ000119_22.0331.C50.o1.gs	Method	GENSCAN
Start	242	End	1068
GI	none	Score	.78
Exons	242..319, 419..475, 970..1068		

Seq. No.	40082	Seq. ID	OJ000119_22.0331.C53
Gene No.	82891	Strand	-
Start	138	End	201
Name	OJ000119_22.0331.C53.o1.gs	Method	GENSCAN
Start	138	End	201
GI	none	Score	.46
Exons	138..201		

Seq. No.	40083	Seq. ID	OJ000119_22.0331.C54
Gene No.	82892	Strand	-
Start	1	End	2488
Name	OJ000119_22.0331.C54.o1.np	Method	AAT/NAP
Start	1	End	2488
GI	6723391	Score	509
Exons	1..40, 223..374, 769..984, 1119..1195, 1277..1388, 2103..2488		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	40083	Seq. ID	OJ000119_22.0331.C54
Gene No.	82892	Strand	-
Start	1	End	2488
Name	OJ000119_22.0331.C54.o1.gp	Method	AAT/GAP
Start	187	End	660
GI	LIB3431-056-P1-N1-H6	Score	855
Exons	187..660		
GI Descrip.	'3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40083	Seq. ID	OJ000119_22.0331.C54
Gene No.	82892	Strand	-
Start	1	End	2488
Name	OJ000119_22.0331.C54.o1.gs	Method	GENSCAN
Start	237	End	2447
GI	none	Score	.95
Exons	237..374, 769..896, 1322..1388, 2103..2447		

Seq. No.	40084	Seq. ID	OJ000119_22.0331.C55
Gene No.	82893	Strand	+
Start	6	End	479
Name	OJ000119_22.0331.C55.o1.gs	Method	GENSCAN
Start	6	End	479
GI	none	Score	.88
Exons	6..143, 405..479		

Seq. No.	40084	Seq. ID	OJ000119_22.0331.C55
Gene No.	82894	Strand	-
Start	1066	End	1682
Name	OJ000119_22.0331.C55.o2.gs	Method	GENSCAN
Start	1066	End	1682
GI	none	Score	.56
Exons	1066..1145, 1619..1682		

Seq. No.	40085	Seq. ID	OJ000119_22.0331.C56
Gene No.	82895	Strand	+
Start	1	End	472
Name	OJ000119_22.0331.C56.o1.np	Method	AAT/NAP
Start	1	End	472
GI	3128206	Score	105
Exons	1..116, 371..472		
GI Descrip.	(AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	40085	Seq. ID	OJ000119_22.0331.C56
Gene No.	82896	Strand	-
Start	12	End	782
Name	OJ000119_22.0331.C56.o1.gs	Method	GENSCAN
Start	12	End	782
GI	none	Score	.51
Exons	12..102, 682..782		

Seq. No.	40086	Seq. ID	OJ000119_22.0331.C57
Gene No.	82897	Strand	-
Start	1	End	125
Name	OJ000119_22.0331.C57.o1.gp	Method	AAT/GAP
Start	1	End	125
GI	LIB3431-056-P1-N1-H6	Score	213
Exons	1..125		
GI Descrip.	'3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40086	Seq. ID	OJ000119_22.0331.C57
Gene No.	82898	Strand	-
Start	234	End	5939
Name	OJ000119_22.0331.C57.o1.np	Method	AAT/NAP
Start	234	End	5083
GI	6723390	Score	520
Exons	234..449, 589..665, 1089..1179, 3257..3852, 3950..4130, 5033..5083		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	40086	Seq. ID	OJ000119_22.0331.C57
Gene No.	82898	Strand	-
Start	234	End	5939

Name	OJ000119_22.0331.C57.o2.gs	Method	GENSCAN
Start	3230	End	5939
GI	none	Score	.63
Exons	3230..3859, 3963..4286, 5772..5939		
Seq. No.	40086	Seq. ID	OJ000119_22.0331.C57
Gene No.	82899	Strand	-
Start	6392	End	6523
Name	OJ000119_22.0331.C57.o1.tc	Method	TBLASTX:Cress
Start	3593	End	3850
GI	none	Score	71
Exons	3593..3778, 3600..3710, 3776..3850		
Seq. No.	40086	Seq. ID	OJ000119_22.0331.C57
Gene No.	82899	Strand	-
Start	6392	End	6523
Name	OJ000119_22.0331.C57.o2.np	Method	AAT/NAP
Start	6392	End	6523
GI	6815099	Score	87
Exons	6392..6523		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	40087	Seq. ID	OJ000119_22.0331.C58
Gene No.	82900	Strand	+
Start	370	End	4174
Name	OJ000119_22.0331.C58.o1.np	Method	AAT/NAP
Start	370	End	4174
GI	6721547	Score	100
Exons	370..455, 4120..4174		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	40087	Seq. ID	OJ000119_22.0331.C58
Gene No.	82901	Strand	-
Start	7458	End	8092
Name	OJ000119_22.0331.C58.o2.np	Method	AAT/NAP
Start	7443	End	8092
GI	1717826	Score	463
Exons	7443..8092		
GI Descrip.	TYROSINE/DOPA DECARBOXYLASE 2 [INCLUDES: DOPA DECARBOXYLASE (DDC); TYROSINE DECARBOXYLASE] gi 1076245 pir B55066 tyrosine decarboxylase (EC 4.1.1.25) 2 - opium poppy gi 607747 (U08598) tyrosine/dopa decarboxylase [Papaver somniferum]		
Seq. No.	40087	Seq. ID	OJ000119_22.0331.C58
Gene No.	82901	Strand	-
Start	7458	End	8092
Name	OJ000119_22.0331.C58.o2.gs	Method	GENSCAN
Start	7458	End	8041
GI	none	Score	.94
Exons	7458..8041		
Seq. No.	40087	Seq. ID	OJ000119_22.0331.C58
Gene No.	82901	Strand	-
Start	7458	End	8092
Name	OJ000119_22.0331.C58.o1.tc	Method	TBLASTX:Cress
Start	7470	End	7919
GI	none	Score	79

Exons 7470..7598, 7710..7919, 7711..7887

Seq. No.	40088	Seq. ID	OJ000119_22.0331.C59
Gene No.	82902	Strand	+
Start	2332	End	3999
Name	OJ000119_22.0331.C59.o2.np	Method	AAT/NAP
Start	2332	End	3999
GI	6539570	Score	55
Exons	2332..2372, 2586..2746, 2888..2937, 3972..3999		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40088	Seq. ID	OJ000119_22.0331.C59
Gene No.	82903	Strand	-
Start	1	End	3551
Name	OJ000119_22.0331.C59.o1.np	Method	AAT/NAP
Start	1	End	641
GI	1174828	Score	586
Exons	1..641		
GI Descrip.	TYROSINE DECARBOXYLASE 2 gi 322738 pir A44405 tyrosine decarboxylase (EC 4.1.1.25) - parsley gi 169671 gb AAA33860.1 (M96070) tyrosine decarboxylase [Petroselinum crispum]		

Seq. No.	40088	Seq. ID	OJ000119_22.0331.C59
Gene No.	82903	Strand	-
Start	1	End	3551
Name	OJ000119_22.0331.C59.o1.gs	Method	GENSCAN
Start	28	End	3551
GI	none	Score	.5
Exons	28..698, 2564..2711, 3517..3551		

Seq. No.	40088	Seq. ID	OJ000119_22.0331.C59
Gene No.	82903	Strand	-
Start	1	End	3551
Name	OJ000119_22.0331.C59.o1.ts	Method	TBLASTX:Soybean
Start	315	End	572
GI	none	Score	71
Exons	315..431, 316..381, 432..572, 478..546		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o1.gs	Method	GENSCAN
Start	1380	End	10521
GI	none	Score	.42
Exons	1380..1607, 4156..5369, 5810..5989, 7473..7611, 8219..8341, 8477..8545, 10027..10080, 10246..10521		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o1.tm	Method	TBLASTX:Maize
Start	4102	End	5259
GI	none	Score	273
Exons	4102..4203, 4244..4606, 4252..4614, 4714..4851, 4715..4873, 5095..5259, 5096..5203, 5107..5229		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
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